project2

April 8, 2024

1 Machine Learning in Python - Project 2

Due Friday, April 12th by 4 pm.

Include contributors names in notebook metadata or here

1.1 Setup

Install any packages here and load data

```
[142]: # Add any additional libraries or submodules below
       # Data libraries
       import pandas as pd
       import numpy as np
       # Plotting libraries
       import matplotlib.pyplot as plt
       import seaborn as sns
       # Plotting defaults
       plt.rcParams['figure.figsize'] = (8,5)
       plt.rcParams['figure.dpi'] = 80
       # sklearn modules
       import sklearn
       from sklearn.model_selection import train_test_split
       from sklearn.preprocessing import FunctionTransformer, StandardScaler, u
        →OneHotEncoder
       from sklearn.pipeline import Pipeline
       from sklearn.base import BaseEstimator, TransformerMixin
       from sklearn.impute import SimpleImputer
       from sklearn.compose import ColumnTransformer
       from sklearn.linear_model import LogisticRegression
       from sklearn.metrics import classification_report, confusion_matrix, u
        ⇔accuracy_score, roc_auc_score, balanced_accuracy_score, log_loss, ⊔
        →recall_score, precision_score, f1_score
       from imblearn.over_sampling import RandomOverSampler
```

```
from sklearn.model_selection import GridSearchCV, RandomizedSearchCV
     from imblearn.pipeline import Pipeline as ImPipeline
     from scipy.stats.distributions import uniform, loguniform
     from sklearn.dummy import DummyClassifier
     from joblib import dump, load
     import warnings
     from sklearn.exceptions import ConvergenceWarning
     warnings.filterwarnings('ignore', message='Found unknown categories')
     # when running logistic CV
     warnings.filterwarnings("ignore", category=ConvergenceWarning)
     warnings.filterwarnings("ignore", message="Setting penalty='none' will ignore_
      ⇔the C and l1_ratio parameters")
     warnings.filterwarnings("ignore", message="l1_ratio parameter is only used when⊔
      ⇔penalty is 'elasticnet'")
[2]: # Load data in easyshare.csv
     d = pd.read_csv("freddiemac.csv")
     d.head()
[2]:
         fico
               dt_first_pi flag_fthb dt_matr
                                                 \mathtt{cd}_{\mathtt{msa}}
                                                         mi_pct
                                                                 cnt_units
     0 709.0
                    201703
                                        204702
                                                    NaN
                                                             12
                                                                          1
     1 649.0
                    201703
                                        203202 33124.0
                                                              0
                                    9
                                                                          1
     2 747.0
                    201703
                                    9
                                      203702 41180.0
                                                              0
                                                                          1
     3 711.0
                    201703
                                        204702 20260.0
                                                              0
                                    9
                                                                          1
     4 751.0
                    201703
                                        204702
                                    N
                                                    NaN
                                                             35
                                                                          1
                                zipcode
                                                       loan_purpose
       occpy_sts
                 cltv dti
                                               id loan
     0
                    84
                         26
                                   51300 F117Q1000376
                                                                    N
     1
               Ρ
                    52
                         22
                                   33100 F117Q1000418
                                                                    C
                    43
     2
               Τ
                         20
                                   63100 F117Q1000479
                                                                    N
     3
               Ι
                    80
                         21
                                   55800 F117Q1000523
                                                                    Ρ
     4
               Ρ
                    95
                                  75900 F117Q1000719
                                                                    Ρ
                         24 ...
       orig_loan_term cnt_borr
                                   seller name
                                                      servicer_name flag_sc \
     0
                  360
                             2 Other sellers
                                                    Other servicers
                                                                         NaN
                  180
                             2 Other sellers
                                                    Other servicers
                                                                         NaN
     1
     2
                  240
                             2 Other sellers
                                                    Other servicers
                                                                         NaN
     3
                  360
                             2 Other sellers
                                                    Other servicers
                                                                         NaN
     4
                  360
                             1 Other sellers ARVESTCENTRALMTGECO
                                                                         NaN
        prepaid default
     0
              0
     1
                      0
              1
                      0
```

3 1 0 4 1 0

[5 rows x 28 columns]

2 Introduction

This section should include a brief introduction to the task and the data (assume this is a report you are delivering to a professional body (e.g. FreddiMac company or similar company). If you use any additional data sources, you should introduce them here and discuss why they were included.

Briefly outline the approaches being used and the conclusions that you are able to draw.

3 Exploratory Data Analysis and Feature Engineering

Include a detailed discussion of the data with a particular emphasis on the features of the data that are relevant for the subsequent modeling. Including visualizations of the data is strongly encouraged - all code and plots must also be described in the write up. Think carefully about whether each plot needs to be included in your final draft - your report should include figures but they should be as focused and impactful as possible.

You should also split your data into training and testing sets, ideally before you look to much into the features and relationships with the target

Additionally, this section should also implement and describe any preprocessing / feature engineering of the data. Specifically, this should be any code that you use to generate new columns in the data frame **a**. Feature engineering that will be performed as part of an sklearn pipeline can be mentioned here but should be implemented in the following section.

If you decide to extract additional features from the full data (easyshare_all.csv), describe these variables here.

All code and figures should be accompanied by text that provides an overview / context to what is being done or presented.

variable summary

Numerical variable fico (credit score);

Categorical variable dt_first_pi (date of the first mortgage payment), it's a 6-digit number with format YYYYMM. From year 2017 to 2019.

Categorical variable dt_matr (maturity date, date of the last mortgage payment), it's a 6-digit number with format YYYYMM. From 202504 to 204812.

Binary variable flag_fthb (first time homebuyer), with missing value encoded with 9.

Numerical variable orig_upb (loan amount that has not yet been paid off);

Numerical variable int_rt (interest rate of the loan);

Identifier cd_msa, they are 5-digit codes of Metropolitan Statistical Area (MSA) regions in the US, where the complete list of encodings can be found in this document.

Categorical variable mi_pct (percentage of the loan amount that's required for mortgage insurance. It is often required when the borrower's down payment on a home is less than a certain percentage of the home's purchase price.) It's classified as categorical because only there's only 7 insurance levels: 0.6,12,20,25,30,35.

Categorical variable cnt units (number of units in the morgaged property), 4 levels: 1,2,3,4.

Categorical variable occpy_sts (mortgage type), 3 levels: owner occupied (P), second home (S), or investment property (I).

Numerical variable cltv (rate of loan amount to total property value, e.g. 90%) SAME AS ltv;

Numerical variable dti (debt-to-income ratio, which is calculated by monthly housing expenses that incorporate the mortgage payment, divided by the monthly income used to underwrite the loan);

Numerical variable 1tv (loan-to-value). For example, if a borrower takes out a mortgage for £150,000 to purchase a home that is appraised at £200,000, the original loan-to-value ratio would be $\frac{150,000}{200,000} = 0.75$, or 75%. This means that the borrower is financing 75% of the property's value with the mortgage loan, and the remaining 25% is covered by the borrower's down payment or equity.

Numerical variable int_rt (interest rate of the property);

Categorical variable channel;

Binary variable ppmt_pnlty, with Yes or No (penalty applied). A prepayment penalty is a fee charged by lenders if the borrower pays off the mortgage loan before the agreed-upon term. Note there's no Y instance in this dataset.

Binary variable prod type only fixed-rate mortgage in this dataset.

Categorical variable st (US states) two-letter abbreviations;

Categorical variable prop_type, property type: condominium (CO), planned unit development (PU), cooperative share (CP), manufactured home (MH), or Single-Family home (SF).

Identifier zipcode, they are 5-digit codes in the form of ###00;

Identifier id loan, unique ID for each entry;

Categorical variable loan_purpose, Cash-out Refinance mortgage (C), No Cash-out Refinance mortgage (N), Refinance mortgage not specified (R), or a Purchase mortgage (P);

Numerical variable orig_loan_term, number of monthly payments from first payment until maturity date.

Binary variable cnt_borr , the number of borrower(s) who're obligated to pay the mortgage. 1 = one borrower, 2 = more than one borrower.

Categorical variable seller_name, list of names of seller of mortgages.

Categorical variable servicer name, list of names of servicer of mortgages.

Binary variable flag_sc, all entries either have Y or NaN.

Binary variable default, our response variable, 1=default, 0=no default.

Missing value analysis

```
There is 1 missing value for fico (credit score);

3468 NA values for flag_fthb (binary, first time homebuyer);

594 null values for cd_msa (metropolitan statistical area), indicating 594 mortgaged properties are either not in a Metropolitan Area or MSA status unknown;

1 NA for cltv;

1 NA for dti, indicating 1 impossible value of > 65%;
```

1 NA for ltv;

38 missing values for ppmt_pnlty,

5751 missing values for flag_sc.

```
[3]: missing_values_count = d.isnull().sum()
     missing_values_table = pd.DataFrame({'Missing Values': missing_values_count})
     print("Table of Null Values in Each Variable:")
     print(missing values table)
     count_9999 = d['fico'].astype(str).str.count('9999').sum()
     print("Number of NA (encoded as 9999) in 'fico':", count 9999)
     count_9 = d['flag_fthb'].astype(str).str.count('9').sum()
     print("Number of NA (encoded as 9) in 'flag fthb':", count 9)
     count_999 = d['mi_pct'].astype(str).str.count('999').sum()
     print("Number of NA (999) in 'mi_pct':", count_999)
     count_99 = d['cnt_units'].astype(str).str.count('99').sum()
     print("Number of no information (99) in 'cnt_units':", count_99)
     c9 = d['occpy_sts'].astype(str).str.count('9').sum()
     print("Number of no information (9) in 'occpy_sts':", c9)
     c999 = d['cltv'].astype(str).str.count('999').sum()
     print("Number of no information (999) in 'cltv':", c999)
     c_999 = d['dti'].astype(str).str.count('999').sum()
     print("Number of NA (999) in 'dti':", c_999)
     co 999 = d['ltv'].astype(str).str.count('999').sum()
     print("Number of NA (999) in 'ltv':", co_999)
     co 9 = d['channel'].astype(str).str.count('9').sum()
     print("Number of NA (9) in 'channel':", co_9)
     co_99 = d['prop_type'].astype(str).str.count('99').sum()
     print("Number of NA (99) in 'prop_type':", co_99)
     c_00 = d['zipcode'].astype(str).str.count('###00').sum()
     print("Number of NA in 'zipcode':", c_00)
     cou_9 = d['loan_purpose'].astype(str).str.count('9').sum()
     print("Number of NA in 'loan_purpose':", cou_9)
```

```
Table of Null Values in Each Variable:
Missing Values
fico 1
```

```
0
dt_first_pi
                              0
flag_fthb
dt_matr
                              0
cd_msa
                            594
mi_pct
                              0
                              0
cnt_units
occpy_sts
                              0
cltv
                              0
                              0
dti
orig_upb
                              0
                              0
ltv
                              0
int_rt
                              0
channel
                             38
ppmt_pnlty
prod_type
                              0
                              0
st
                              0
prop_type
zipcode
                              0
id_loan
                              0
loan_purpose
                              0
orig_loan_term
                              0
                              0
cnt borr
seller_name
                              0
                              0
servicer_name
flag_sc
                          5751
                              0
prepaid
                              0
default
Number of NA (encoded as 9999) in 'fico': 0
Number of NA (encoded as 9) in 'flag_fthb': 3468
Number of NA (999) in 'mi_pct': 0
Number of no information (99) in 'cnt_units': 0
Number of no information (9) in 'occpy_sts': 0
Number of no information (999) in 'cltv': 1
Number of NA (999) in 'dti': 1
Number of NA (999) in 'ltv': 1
Number of NA (9) in 'channel': 0
Number of NA (99) in 'prop_type': 0
Number of NA in 'zipcode': 0
Number of NA in 'loan_purpose': 0
```

Training and testing data split: 90% and 10% of the data are allocated to training and testing dataset, respectively.

Numerical variables: the density plots, boxplots, heatmap and scatterplots of all continuous numerical variables.

```
[5]: # filter NA coded as 999

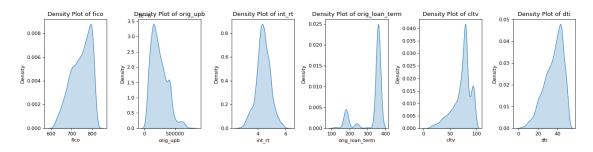
filtered_idx = X_train[(X_train['cltv'] != 999) & (X_train['dti'] != 999)].index
X_train_clean = X_train.loc[filtered_idx]
y_train_clean = y_train.loc[filtered_idx]
```

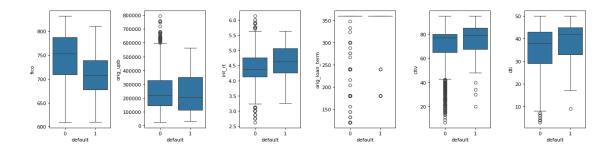
```
[6]: # filter NA coded as 999
    #filtered_cltv = X_train[X_train['cltv'] != 999]['cltv']
    #filtered_dti = X_train[X_train['dti'] != 999]['dti']
    fig, axes = plt.subplots(nrows=1, ncols=6, figsize=(16, 4))

# Numerical variables
num_var = ['fico', 'orig_upb', 'int_rt','orig_loan_term','cltv','dti']
for i, variable in enumerate(num_var):
        sns.kdeplot(data=X_train_clean[variable], ax=axes[i], fill=True)

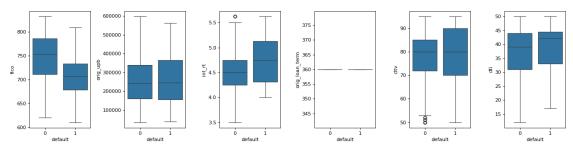
        axes[i].set_title(f'Density Plot of {variable}')

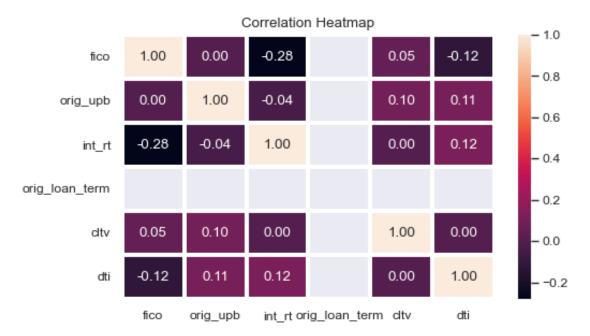
plt.tight_layout()
plt.show()
```





most of observations in 'orig_loan_term' are = 360. Very few observations (and defaults) for others consider deleting them.





loan term is constant - all 360

Categorical variables: Below displays the bar charts of all categorical variables.

```
[11]: # Identifiers variables are: 'id_loan', 'cd_msa', 'zipcode'
    # Long catgotical variables are: 'st', 'servicer_name', 'seller_name'
    # Numerical variables are: 'fico', 'orig_upb', 'int_rt', 'cltv', 'dti'
    exclude_var = ['id_loan', 'cd_msa', 'zipcode', 'st', 'servicer_name', \u]
    \[
    \[ \]'seller_name', 'fico', 'orig_upb', 'int_rt', 'cltv', 'dti']

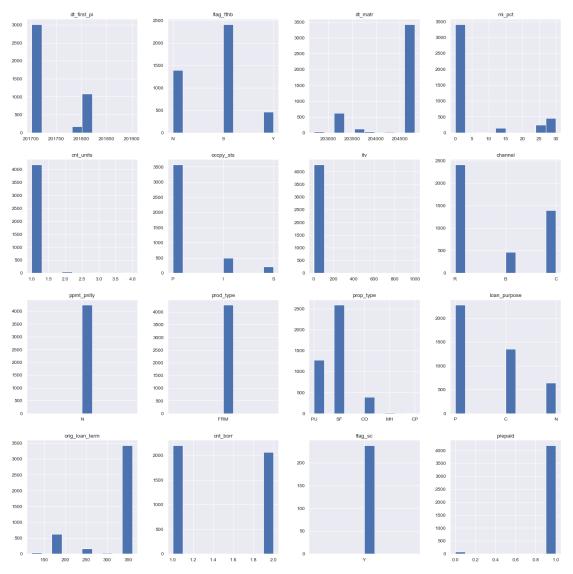
columns_to_plot = [col for col in X_train_clean.columns if col not in_\u]
    \[ \]\excepexecuteexclude_var]

fig, axes = plt.subplots(nrows=4, ncols=4, figsize=(18, 18))
    axes = axes.flatten()
    fig.patch.set_facecolor('white')

for i, column in enumerate(columns_to_plot):
        X_train[column].hist(ax=axes[i])
```

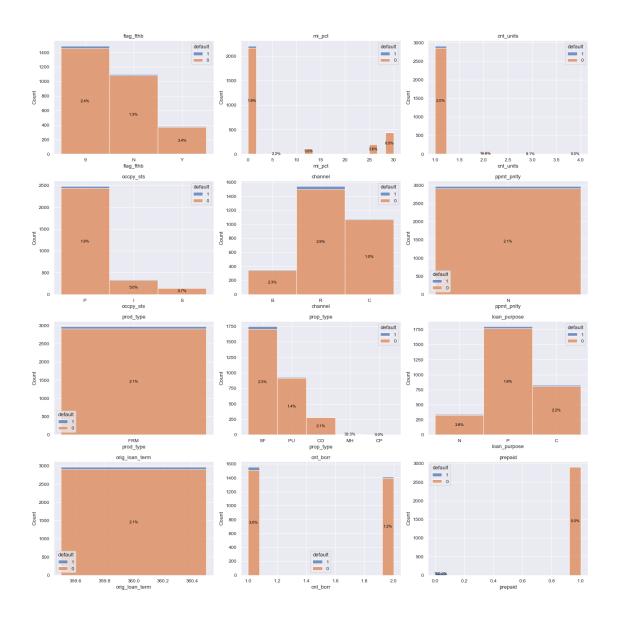
```
axes[i].set_title(f'{column}')
axes[i].set_xlabel(' ')
axes[i].set_ylabel(' ')

plt.tight_layout()
plt.show()
```



```
[13]: data = pd.concat([X_train_clean[columns_to_plot].astype('object'), pd.
       →DataFrame(y_train_clean)], axis=1).dropna()
[14]: fig, axes = plt.subplots(nrows=4, ncols=3, figsize=(18, 18))
      axes = axes.flatten()
      for i, column in enumerate(columns_to_plot):
          ax = sns.histplot(data=data, x=column, hue='default', multiple='stack', u
       ⇔hue_order=[1, 0], ax=axes[i])
          axes[i].set_title(f'{column}')
          # Calculate the counts for each category within the column
          category order = data[column].dropna().unique()
          counts_total = data[column].value_counts().reindex(category_order).fillna(0)
          counts_default_1 = data[data['default'] == 1][column].value_counts().
       →reindex(category_order).fillna(0)
          # Calculate the percentages
          percentages = 100 * counts_default_1 / counts_total
          # Iterate over the bars for the current axis
          bar_patches = [p for p in ax.patches if p.get_height() > 0] # Only_
       \hookrightarrow consider bars with height > 0
          for j, bar in enumerate(bar_patches[:len(category_order)]):
              # The percentage for the category is at the same position as the bar
              percentage = percentages.iloc[j]
              # Annotate the percentage in the middle of the bar
              ax.text(bar.get_x() + bar.get_width() / 2, bar.get_height() / 2,__

→f'{percentage:.1f}%',
                      ha='center', va='center', fontsize=9, color='black')
      plt.tight_layout()
      plt.show()
```



```
[15]: prepaid_d = pd.concat([X_train[['prepaid']], pd.DataFrame(y_train)],axis=1)
prepaid_d[(prepaid_d['prepaid'] == 0) & (prepaid_d['default'] == 1)].shape[0]
```

[15]: 79

[16]: pd.DataFrame(y_train).value_counts()

[16]: default

0 4193 1 79 dtype: int64

	total_defaults	total	default_percentage
zipcode			
95300	2	22	0.090909
75000	2	34	0.058824
80000	1	21	0.047619
92500	1	23	0.043478
89100	1	24	0.041667
92000	1	27	0.037037
30000	1	29	0.034483
94500	1	45	0.022222
37000	0	21	0.00000
80100	0	34	0.00000
84000	0	36	0.00000
80200	0	23	0.00000
91700	0	27	0.00000
91300	0	23	0.00000
85300	0	38	0.00000
85200	0	49	0.00000
92600	0	25	0.00000
95600	0	32	0.00000
98000	0	34	0.000000
98200	0	21	0.00000

zipcode doesnt seem very relevant to default rate

[19]: default_percentages('flag_fthb')

i don tknow maybe treat 9 as a separate category. The default rate is quite high

```
[20]: default_percentages('flag_sc')
```

```
total_defaults total default_percentage flag_sc
Missing 61 2840 0.021479
Y 2 155 0.012903
```

identifiers id_loan is an unique identifiers with no duplicates in this dataset. On the contrary, zipcode is not an unique identifier, observations are 5-digit area codes. Similarly, cd_msa are 5-digit codes of Metropolitan Statistical Area (MSA) regions, where the complete list of regions can be found here.

```
[21]: # Check for duplicates in 'id_loan' variable
duplicates = d[d.duplicated(subset=['id_loan'], keep=False)]

if not duplicates.empty:
    print("Duplicates found in 'id_loan' variable:")
    print(duplicates)
else:
    print("No duplicates found in 'id_loan' variable.")

d['zipcode_str'] = d['zipcode'].astype(str)
```

No duplicates found in 'id_loan' variable.

```
[22]: X_train_clean['flag_fthb']
[22]: 5990
               9
      1749
               N
      5997
               N
      4578
               N
      4839
               9
      2701
               9
      5656
               9
      161
               9
      381
               N
      1422
               N
      Name: flag_fthb, Length: 2995, dtype: object
```

Feature Engineering

flag fthb replace all 9s with NaN and map Y as 1, N as 0.

cnt_units One-hot encoding 4 levels: 1,2,3,4.

occpy_sts One-hot encoding 3 levels: P,S,I.

cltv, dti,ltv discard 1 NA.

channel One-hot encoding 4 levels: R,B,C,T.

ppmy pnlty discard all NaN, map Y as 1, N as 0. Note there's no Y in this dataset.

prod_type discard this feature, all observations are "FRM" (fixed-rate mortgage). Have no predictive power to adjustable-rate mortgage.

prop_type One-hot encoding to 5 levels: 'SF' 'PU' 'MH' 'CO' 'CP'.

loan purpose One-hot encoding to 4 levels: C,N,R,P.

 $cnt_bnrr Map 1(1 borrower) to 0 and 2(> 1 borrower) to 1.$

flag_sc discard this feature, all observations are either Y or NaN. Have no predictive power.

4 Model Fitting and Tuning

In this section you should detail your choice of model and describe the process used to refine and fit that model. You are strongly encouraged to explore many different modeling methods (e.g. linear regression, interaction terms, lasso, etc.) but you should not include a detailed narrative of all of these attempts. At most this section should mention the methods explored and why they were rejected - most of your effort should go into describing the model you are using and your process for tuning and validating it.

For example if you considered a linear regression model, a polynomial regression, and a lasso model and ultimately settled on the linear regression approach then you should mention that other two approaches were tried but do not include any of the code or any in depth discussion of these models beyond why they were rejected. This section should then detail is the development of the linear

regression model in terms of features used, interactions considered, and any additional tuning and validation which ultimately led to your final model.

This section should also include the full implementation of your final model, including all necessary validation. As with figures, any included code must also be addressed in the text of the document.

Finally, you should also provide comparison of your model with baseline model(s) on the test data but only briefly describe the baseline model(s) considered

```
[23]: class CleanDataTransformer(BaseEstimator, TransformerMixin):
          def __init__(self, value_to_replace):
              self.value_to_replace = value_to_replace
          def fit(self, X, y=None):
              return self
          def transform(self, X):
              return X.replace(self.value_to_replace, np.nan)
      class IQRBasedOutlierRemoverEnhanced(BaseEstimator, TransformerMixin):
          def __init__(self, factor=1.5, remove_outliers=False):
              self.factor = factor
              self.remove_outliers = remove_outliers
          def fit(self, X, y=None):
              # Compute the IQR bounds
              Q1 = np.percentile(X, 25, axis=0)
              Q3 = np.percentile(X, 75, axis=0)
              IQR = Q3 - Q1
              self.lower_bounds_ = Q1 - self.factor * IQR
              self.upper_bounds_ = Q3 + self.factor * IQR
              return self
          def transform(self, X):
              if self.remove_outliers:
                  # Apply the mask for the bounds to the data
                  mask = (X >= self.lower_bounds_) & (X <= self.upper_bounds_)</pre>
                  return X[mask]
              else:
                  # Mark outliers as NaN
                  mask_lower = (X < self.lower_bounds_)</pre>
                  mask_upper = (X > self.upper_bounds_)
                  X_{copy} = X.copy()
                  X_copy[mask_lower | mask_upper] = np.nan
                  return X_copy
      class AutoBinaryEncoder(BaseEstimator, TransformerMixin):
```

```
def __init__(self, val1='N', val2='Y'):
             self.val1 = val1
             self.val2 = val2
         def fit(self, X, y=None):
              # Dictionary to store mappings for each column
             self.mappings = {}
             for col in X.columns:
                 self.mappings_[col] = {self.val1: "0", self.val2: "1"}
             return self
         def transform(self, X):
             X_{copy} = X.copy()
             for col, mapping in self.mappings_.items():
                 X_copy[col] = X_copy[col].map(mapping)
             return X_copy
     class DropColumnsTransformer:
         def __init__(self, columns):
             self.columns = columns
         def fit(self, X, y=None):
             return self
         def transform(self, X):
             return X.drop(columns=self.columns)
[24]: num_features = ['fico', 'orig_upb', 'int_rt','orig_loan_term','cltv','dti']
      #cat_features = X_train_clean.columns.drop(num_features)
      #cat_features = ['flaq_fthb',__
      - 'flag_sc', 'cnt_borr', 'loan_purpose', 'prop_type', 'ppmt_pnlty', 'prod_type']
     cat_features = X.columns.drop(num_features+['prepaid', 'flag_sc',_
       'dt_matr', 'seller_name', 'servicer_name', 'ltv', 'zipcode'])
 []: d = pd.read_csv("freddiemac.csv")
     X = d.drop(columns=['default'])
     v = d['default']
     X[cat_features] = X[cat_features].astype('object')
     X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3,_
       ⇔stratify=y, random_state=99)
     BASELINE
[25]: baseline = DummyClassifier(strategy='most_frequent')
     baseline.fit(X_train, y_train)
```

```
balanced_accuracy = balanced_accuracy_score(y_test, baseline.predict(X_test))
print(f'Balanced Accuracy: {balanced_accuracy:.2f}')
```

Balanced Accuracy: 0.50

```
[36]: num_pre1 = Pipeline(steps=[
          ('num_clean', CleanDataTransformer(value_to_replace='999')),
          ("num outliers", IQRBasedOutlierRemoverEnhanced(remove outliers=False)),
          ("num_impute", SimpleImputer(strategy="median")),
          ("num_scale", StandardScaler())])
      num pre2 = Pipeline(steps=[
          ("num_outliers", IQRBasedOutlierRemoverEnhanced(remove_outliers=False)),
          ("num impute", SimpleImputer(strategy="median")),
          ("num_scale", StandardScaler())])
      cat_pre1 = Pipeline(steps=[
          ('cat_clean', CleanDataTransformer(value_to_replace='9')),
          ('cat_binary_encode', AutoBinaryEncoder()),
          ("cat_impute", SimpleImputer(strategy="constant", fill_value="missing")),
          ("cat_encode", OneHotEncoder(drop='first'))])
      cat pre2 = Pipeline(steps=[
          ('cat_binary_encode', AutoBinaryEncoder(val1='1', val2='2')),
          ("cat_impute", SimpleImputer(strategy="constant", fill_value="missing")),
          ("cat_encode", OneHotEncoder(drop='first'))])
      cat_pre3 = Pipeline(steps=[
          ("cat impute", SimpleImputer(strategy="constant", fill value="missing")),
          ("cat_encode", OneHotEncoder(drop='first', sparse=False,
       ⇔handle_unknown='ignore'))])
```

5 Logistic Regression

Balanced Accuracy: 0.500

5.1 Logistic Regression with CV

```
[62]: | # param_grid_lr = {
            'C': [0.01, 0.1, 1, 10, 100],
      #
            'penalty': ['l1', 'l2', 'elasticnet', 'none'],
            'solver': ['saga'],
            'class_weight': [None, 'balanced'],
            'l1_ratio': [None, 0.5]
      # }
      # lr = LogisticRegression(random_state=69, max_iter=100000)
      # lr_cv_pipe = Pipeline([
            ("pre processing", preprocessing),
            ("model", GridSearchCV(
      #
                estimator=lr,
                param_grid=param_grid_lr,
                scoring='balanced_accuracy',
                n_jobs=-1,
                verbose=2))
      # 7)
      # lr_cv_pipe.fit(X_train, y_train)
      # print(f"Best parameters: {lr_cv_pipe['model'].best_params_}")
      # print(f"Balanced Accuracy: {lr_cv_pipe['model'].best_score_}")
```

```
Best parameters: {'C': 0.01, 'class_weight': None, 'l1_ratio': None, 'penalty':
'l1', 'solver': 'saga'}
```

```
Balanced Accuracy: 0.5 balanced accuracy on test: 0.5
```

5.2 Logistic Regression with Sampling

```
[79]: # logistic_pipe2 = ImPipeline([
            ("pre_processing", preprocessing),
            ("sampler", RandomOverSampler(random_state=69)),
            ("model", LogisticRegression(random_state=69, max_iter=10000))])
      # C_list = []
      # pwr = -5
      # for i in range(11):
           C list.append(2**pwr)
            pwr+=2
      # log_param_dist = {'model__C':loguniform(C_list[0], C_list[-1]),
                           'sampler_sampling_strategy': uniform(0.1, 0.9)}
      # os_log_rs = RandomizedSearchCV(logistic_pipe2,
                                    param_distributions = log_param_dist,
      #
                                     n iter = 60.
                                     scoring = ["balanced_accuracy",__
       →"f1", "recall", "precision"],
                                     cv = StratifiedKFold(n splits = 5),
      #
                                    refit = "balanced_accuracy",
      #
                                    random state = 69,
      #
                                    return_train_score = True)
      # os_log_rs.fit(X_train, y_train)
```

```
[79]: RandomizedSearchCV(cv=StratifiedKFold(n_splits=5, random_state=None,
      shuffle=False),
                         estimator=Pipeline(steps=[('pre_processing',
      ColumnTransformer(transformers=[('num_pre1',
      Pipeline(steps=[('num_clean',
                      CleanDataTransformer(value_to_replace='999')),
                     ('num_outliers',
                      IQRBasedOutlierRemoverEnhanced()),
                      ('num_impute',
                      SimpleImputer(strategy='median')),
                     ('num s...
                         n iter=60,
                         param_distributions={'model__C':
      <scipy.stats._distn_infrastructure.rv_continuous_frozen object at</pre>
      0x7f7cda7546d0>,
                                               'sampler sampling strategy':
```

```
<scipy.stats._distn_infrastructure.rv_continuous_frozen object at</pre>
      0x7f7cd69fcdc0>},
                         random_state=69, refit='balanced_accuracy',
                         return_train_score=True,
                         scoring=['balanced_accuracy', 'f1', 'recall', 'precision'])
[125]: #dump(os_log_rs, 'models/os_lr_model.joblib')
      os_log_rs = load('models/os_lr_model.joblib')
      os_log_rs_df = pd.DataFrame(os_log_rs.cv_results_)
      os log rs df.sort values("mean test balanced accuracy", 11
        →ascending=False)[["param_model__C",
                                                                    11

¬"std_test_balanced_accuracy"]].head()
[125]:
         param_model__C mean_test_balanced_accuracy std_test_balanced_accuracy
      39
               0.042219
                                            0.688612
                                                                        0.061877
      56
               0.079972
                                            0.679478
                                                                        0.064341
                0.07927
                                            0.677809
                                                                        0.064172
      53
      7
             904.179591
                                            0.669494
                                                                        0.071320
      10
              48.255126
                                            0.668133
                                                                        0.075857
[81]: print(f"Best parameters: {os_log_rs.best_params_}")
      print(f"Balanced Accuracy on train: {os_log_rs.best_score_}")
      print(f"balanced accuracy on test: {balanced_accuracy_score(y_test, os_log_rs.
        →predict(X_test))}")
      Best parameters: {'model__C': 0.04221913535421369, 'sampler__sampling_strategy':
      0.7248122906701367}
      Balanced Accuracy on train: 0.6886118487364679
      balanced accuracy on test: 0.562242360793038
[82]: logistic pipe3 = ImPipeline([
           ("pre_processing", preprocessing),
           ("sampler", RandomOverSampler(random state=69)),
           ("model", LogisticRegression(random_state=69, max_iter=10000))])
      log_param_dist2 = {'model_C':loguniform(C_list[0], C_list[-1]),}
      os_log_rs2 = RandomizedSearchCV(logistic_pipe3,
                                  param_distributions = log_param_dist2,
                                  n iter = 60,
```

```
¬"f1", "recall", "precision"],
                                   cv = StratifiedKFold(n_splits = 5),
                                  refit = "balanced accuracy",
                                  random_state = 69,
                                  return train score = True)
      os_log_rs2.fit(X_train, y_train)
[82]: RandomizedSearchCV(cv=StratifiedKFold(n_splits=5, random_state=None,
      shuffle=False),
                         estimator=Pipeline(steps=[('pre_processing',
      ColumnTransformer(transformers=[('num_pre1',
      Pipeline(steps=[('num_clean',
                      CleanDataTransformer(value_to_replace='999')),
                     ('num_outliers',
                      IQRBasedOutlierRemoverEnhanced()),
                     ('num_impute',
                      SimpleImputer(strategy='median')),
                     ('num_s...
                                                    ('sampler',
      RandomOverSampler(random_state=69)),
                                                    ('model',
                                                     LogisticRegression(max_iter=10000,
      random_state=69))]),
                         n iter=60,
                         param_distributions={'model__C':
      <scipy.stats._distn_infrastructure.rv_continuous_frozen object at</pre>
      0x7f7cda9ee370>},
                         random_state=69, refit='balanced_accuracy',
                         return_train_score=True,
                         scoring=['balanced_accuracy', 'f1', 'recall', 'precision'])
[83]: print(f"Best parameters: {os_log_rs2.best_params_}")
      print(f"Balanced Accuracy on train: {os_log_rs2.best_score_}")
      print(f"balanced accuracy on test: {balanced_accuracy_score(y_test, os_log_rs2.
       →predict(X_test))}")
     Best parameters: {'model__C': 0.08947530057791117}
     Balanced Accuracy on train: 0.6759986507026682
```

scoring = ["balanced_accuracy", __

Default sampler strategy actually gives the highest score on the test set - example of (risk of) over fitting with ${\rm CV}$

balanced accuracy on test: 0.6037917948046849

6 RANDOM FOREST

```
[47]: from sklearn.ensemble import RandomForestClassifier

rf = RandomForestClassifier(max_depth = 10, random_state=69, oob_score=True, usin_estimators=100, min_samples_split=5, min_samples_leaf=2, usin_ax_features='sqrt')

rf_pipe = Pipeline([
        ("pre_processing", preprocessing),
        ("model", rf)])

rf_pipe.fit(X_train, y_train)

print(f'Balanced Accuracy: {balanced_accuracy_score(y_test, rf_pipe.spredict(X_test)):.2f}')
```

Balanced Accuracy: 0.50

```
[50]: # param_grid = {
             'n_estimators': [10, 50, 100, 200],
      #
             'criterion': ['gini', 'entropy'],
             'max_depth': [None, 10, 20, 30],
      #
             'min samples split': [2, 5, 10],
             'min_samples_leaf': [1, 2, 4],
             'max features': ['sqrt', 'log2'],
             'bootstrap': [True, False],
             'class_weight': [None, 'balanced', 'balanced_subsample'],
      # }
      # rf = RandomForestClassifier(random_state=69)
      # rf_cv_pipe = Pipeline([
             ("pre_processing", preprocessing),
             ("model", \textit{GridSearchCV}(estimator=rf, \textit{param\_grid=param\_grid}, \textit{cv=5}, \\
                                    scoring='balanced_accuracy', n_jobs=-1,__
       →verbose=2))])
      # rf_cv_pipe.fit(X_train, y_train)
      # print(f"Best parameters: {rf_cv_pipe['model'].best_params_}")
      # print("Balanced Accuracy: ", rf_cv_pipe['model'].best_score_)
```

Fitting 5 folds for each of 3456 candidates, totalling 17280 fits

[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.2s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10;
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10;
```

- total time= 0.1s
 [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10,
 max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10;
 total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.0s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s

```
[CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s[CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s[CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s[CV] END bootstrap=True, class_weight=balanced,

- criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4,
 min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.0s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
```

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n estimators=200; total time= 1.7s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
                                1.6s
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
```

0.9s

n_estimators=100; total time=

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=100; total time=
                                0.9s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                1.9s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                                1.8s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                               0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                               0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time= 0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                               0.3s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
```

1.6s

n_estimators=200; total time=

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                               1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                1.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time= 1.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n estimators=100; total time= 0.9s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
```

0.5s

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=5,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
                                1.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time= 1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n estimators=200; total time= 1.6s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
                                1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
```

0.1s

n_estimators=10; total time=

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time=
                             0.2s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time= 0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
                                1.8s
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
```

0.7s

n_estimators=100; total time=

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=2,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                               0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                              0.3s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                              0.3s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                1.5s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=200; total time=
                                1.5s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                               0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=100; total time= 0.8s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
```

max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

0.5s

n_estimators=50; total time=

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=2,
n estimators=200; total time=
                                1.5s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                               1.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                1.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time= 1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time= 0.8s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
```

0.4s

n_estimators=50; total time=

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=10,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time=
                             0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                2.2s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time= 2.2s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=200; total time=
                              2.3s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                1.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
```

0.1s

n_estimators=10; total time=

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=2,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=50; total time= 0.5s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                                0.8s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=100; total time=
                               0.8s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                                1.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                               0.3s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                                1.4s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                                1.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time= 0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                               0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                               0.3s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=200; total time=
                                1.7s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                              1.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                               1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                               0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time= 1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time= 0.8s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time= 0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=50; total time= 0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                               1.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time= 1.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=200; total time= 1.7s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                               1.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                0.8s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=200; total time= 1.6s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
                                1.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                                0.7s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=10,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time= 0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                1.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                               0.3s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                1.3s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                1.3s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time= 0.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                              0.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                               0.6s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time= 0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                              0.3s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.3s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.7s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                              0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=10,
n estimators=200; total time=
                                1.8s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                              1.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                               2.0s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                               1.2s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time= 2.0s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=100; total time= 0.9s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                               0.3s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=5,
n estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=50; total time= 0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time= 1.8s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=200; total time= 1.8s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                0.8s
```

```
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=5,
n estimators=200; total time= 1.6s
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                1.7s
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=True, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                0.8s
```

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s[CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s[CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s[CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.7s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 3.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10: total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.9s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s[CV] END bootstrap=True,

- class_weight=balanced_subsample, criterion=gini, max_depth=10,
 max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10;
 total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

- n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

- n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,

- n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,

- n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,

- n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,

- n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

- n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

- n estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

- n estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.9s[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
 n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
 n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
 n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
 n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
 n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,
 n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,
 n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,
 n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
 n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
 n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
 n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
 n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
 n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
 n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
 n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
 n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
 n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
 n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
 n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
 n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
 n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
 n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini,

- max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
 n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.9s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

- n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,

- n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,

- n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,

- n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,

- n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,

- n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=100; total time= 0.8s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=200; total time= 2.2s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

```
n_estimators=200; total time= 1.7s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

```
n estimators=100; total time= 1.0s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=200; total time= 2.3s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,

```
n_estimators=50; total time= 0.4s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

```
n_estimators=100; total time= 1.2s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

```
n estimators=200; total time= 2.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=200; total time= 1.8s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,

```
n_estimators=100; total time= 0.8s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,

```
n estimators=100; total time= 1.2s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=100; total time= 1.2s
[CV] END bootstrap=True, class weight=balanced subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time= 1.3s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                              1.2s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=True, class weight=balanced subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                             0.3s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=True, class weight=balanced subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=200; total time=
                               2.1s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time= 1.7s[CV] END bootstrap=True,
class_weight=balanced_subsample, criterion=entropy, max_depth=10,
max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200;
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s

```
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s

```
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.9s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.6s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.6s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.8s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s

- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=True, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s[CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1 8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s

```
[CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
```

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s

```
[CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s

```
[CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
```

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 3.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 3.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 3.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.3s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 3.0s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 3.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s

```
[CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
```

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s[CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s[CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1,
- min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.4s[CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s[CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.3s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.2s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=None, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.6s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.7s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 3.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 3.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s[CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s[CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.9s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s[CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.9s

- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
```

[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s

0.1s

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
                              0.5s
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                               0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
```

2.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time= 1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                              1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
```

0.5s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time= 1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n estimators=100; total time=
                              1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                1.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                1.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
```

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=5,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
```

[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                             1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time=
                             0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
                                2.5s
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
```

2.5s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
                              0.5s
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=2,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
```

1.8s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=100; total time=
                                1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time= 1.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=100; total time=
                                1.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                1.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=5,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                               0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

0.5s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time= 1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time=
                              1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
```

0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=10,
n estimators=50; total time=
                              0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time=
                             0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time=
                              0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=200; total time=
                              2.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                2.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
```

1.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=2,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                             0.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=50; total time= 0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
                                2.5s
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                2.0s
```

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=2,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                             0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                              0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=50; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
```

2.4s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time=
                               1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                               2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                               0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time= 1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time= 0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                              1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                               0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
```

0.6s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=1, min samples split=10,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                               2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                              2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                               1.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                1.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                               0.1s
```

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=200; total time= 2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
```

1.4s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=5,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=50; total time= 0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
                                2.4s
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
```

1.7s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=5,
n estimators=100; total time=
                               0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                             0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
```

2.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time=
                               0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                               2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                               0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time= 0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time= 0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
```

0.4s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=2,
n estimators=50; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=200; total time=
                              2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                               2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                               2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                              2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
```

0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=5,
n estimators=50; total time=
                              0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time= 1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
```

0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=5,
n estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time= 0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
                                2.2s
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
```

1.6s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=10,
n estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time=
                               1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                               1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                1.9s
```

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=None, max features=log2, min samples leaf=4, min samples split=10,
n estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n estimators=100; total time=
                               0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time=
                               1.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                               0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time= 0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n estimators=100; total time= 0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=2,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=5,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                               0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
```

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.7s

n_estimators=50; total time=

max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                               2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time= 1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time= 0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=5,
n_estimators=100; total time=
                               0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=100; total time=
                                0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
```

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.1s

n_estimators=10; total time=

max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=10,
n estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                               1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                               1.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=5,
n_estimators=200; total time=
                                1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
```

0.2s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                               1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time= 0.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n estimators=50; total time= 0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=1, min samples split=10,
n estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

2.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
                                1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time=
                               0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=200; total time=
                                1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                               0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time= 0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time= 1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                               0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

0.6s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                               2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time= 2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time= 0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                               0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=4, min samples split=2,
n estimators=10; total time=
                               0.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=100; total time=
                               1.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time=
                               1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time= 1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=4, min samples split=10,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
```

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time=
                               0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                                1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time= 1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time= 1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min_samples leaf=1, min_samples split=2,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=2,
n estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
```

0.4s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=2,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                               2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time= 0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time= 2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min_samples leaf=1, min_samples split=2,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                                0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
```

0.7s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
```

- max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5 n_estimators=50; total time= 0.7s [CV] END bootstrap=False, class weight=balanced, criterion=entropy.
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=5,
n estimators=100; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time= 0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=200; total time=
                              1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
                              0.3s
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                                1.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
```

1.8s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=10,
n estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                               1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time= 1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                               0.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
```

1.6s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                1.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=1, min samples split=10,
n estimators=200; total time=
                                1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=100; total time=
                               0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=200; total time=
                                1.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time= 1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=100; total time= 1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                              1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,

0.5s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n estimators=200; total time=
                                1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time= 2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time= 0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=200; total time=
                              1.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=100; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=10,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
```

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.1s

n_estimators=10; total time=

max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=200; total time=
                               1.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time= 0.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time= 0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                               1.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=10,
n estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
```

0.9s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=2,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=2,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time= 1.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=2, min samples split=10,
n estimators=200; total time=
                                1.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
```

1.8s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                1.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=2,
n estimators=200; total time=
                                1.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time=
                               0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=2,
n estimators=200; total time=
                                1.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=100; total time=
                              0.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time= 0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time= 0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=100; total time= 0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=10,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time= 0.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
```

0.5s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=10, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time= 1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time= 0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                              0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
```

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                               1.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time= 1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time= 1.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                              1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
```

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

1.5s

max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

n_estimators=10; total time=

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time=
                               1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=10,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
```

2.3s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                               2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                               0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time= 1.0s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=200; total time=
                                2.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                2.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                               2.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time= 2.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n estimators=100; total time= 1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                2.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min_samples leaf=2, min_samples split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=2, min samples split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.5s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time= 1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time= 1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                2.6s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                2.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
```

2.5s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time=
                               1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time=
                                1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time= 0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min_samples leaf=4, min_samples split=2,
n_estimators=50; total time=
                               0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=2,
n estimators=50; total time=
                               0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
```

2.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=10,
n estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=5,
n_estimators=200; total time=
                               1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                               1.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=5,
n_estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
```

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=10,
n estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=2,
n estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=50; total time= 0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=50; total time= 0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=sqrt, min samples leaf=4, min samples split=10,
n estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
```

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                                1.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                                1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time=
                               0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                                1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time= 0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time= 0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                              1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time= 0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                               0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
                              0.3s
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=10,
n estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                               0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
```

0.6s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=10,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=200; total time=
                               2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=200; total time=
                               2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time= 2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time= 0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                              2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,
```

n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=2, min samples split=5,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                               0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,
```

1.7s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                1.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time= 1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time= 1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time= 0.1s[CV] END bootstrap=False,
class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=2,
n estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
```

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.4s

n_estimators=50; total time=

n_estimators=50; total time=

max depth=20, max features=log2, min samples leaf=4, min samples split=2,

max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=2,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time= 1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=100; total time= 0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time= 2.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
```

0.2s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=5,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=5,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=50; total time= 0.5s[CV] END bootstrap=False,
class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=2,
```

n_estimators=200; total time= [CV] END bootstrap=False, class weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max depth=20, max features=log2, min samples leaf=4, min samples split=2, n estimators=200; total time= 1.9s [CV] END bootstrap=False, class weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s [CV] END bootstrap=False, class weight=balanced, criterion=entropy, max depth=20, max features=log2, min samples leaf=4, min samples split=5, n_estimators=100; total time= [CV] END bootstrap=False, class weight=balanced, criterion=entropy,

max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,

0.9s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time= 0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=50; total time= 0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                             0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=200; total time= 2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,
```

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=20, max features=log2, min samples leaf=4, min samples split=10,
n estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,
```

2.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s

[CV] END bootstrap=False class weight=balanced criterion=entropy
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                               2.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                                2.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                               2.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time= 2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n estimators=100; total time= 1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=10,
n estimators=50; total time=
                               0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time=
                             0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time= 0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n estimators=200; total time= 2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=5,
n_estimators=200; total time=
                                2.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time=
```

0.2s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
```

- max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=200; total time=
                               2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=2, min samples split=2,
n estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time= 1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time= 1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
                               0.2s
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
```

[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s

max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

0.5s

n_estimators=50; total time=

[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=2, min samples split=5,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time= 2.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=100; total time= 1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=2,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=2,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
```

0.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=2,
n estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=2,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=200; total time= 2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                1.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=2, min samples split=10,
n estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
```

1.2s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s

```
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time=
                                1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=100; total time=
                               1.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time=
                               1.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=10,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
```

2.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                               2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=sqrt, min samples leaf=4, min samples split=5,
n estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                               0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time= 0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=100; total time= 0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=2,
n estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                               0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=50; total time=
```

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.8s

n_estimators=50; total time=

max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=2,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                               2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time= 2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n estimators=100; total time= 1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
n_estimators=200; total time=
                              2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min_samples leaf=1, min_samples split=2,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=5,
n estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max depth=30, max features=log2, min samples leaf=1, min samples split=5,

max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.1s

n_estimators=10; total time=

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=5,
n estimators=50; total time=
                             0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=2,
n_estimators=200; total time=
                               2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n estimators=50; total time= 0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                              1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=200; total time=
                                1.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min_samples leaf=1, min_samples split=2,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=2,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=100; total time=
```

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.1s

n_estimators=10; total time=

max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=5,
n estimators=100; total time=
                               1.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=10; total time=
                             0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time= 0.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=50; total time= 0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=5,
n_estimators=200; total time= 2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=5,
n estimators=200; total time=
                                2.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time=
                                2.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,
```

1.8s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=10,
n estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=50; total time=
                               0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
```

2.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=1, min samples split=10,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=100; total time=
                                1.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n estimators=200; total time=
                               2.4s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=100; total time=
                               1.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=100; total time= 1.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=100; total time= 1.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=10; total time= 0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max depth=30, max features=log2, min samples leaf=2, min samples split=5,

max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,

[CV] END bootstrap=False, class weight=balanced, criterion=entropy,

0.5s

n_estimators=50; total time=

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time=
                              0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n estimators=50; total time=
                             0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=200; total time=
                                2.4s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n estimators=200; total time=
                               2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=2,
n_estimators=200; total time=
                               2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time= 2.0s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n estimators=100; total time= 0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,
n estimators=200; total time=
                               1.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=100; total time=
                              0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                               0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
```

max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time=
                              0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=10,
n estimators=50; total time=
                             0.8s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time=
                             0.8s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time=
                             0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=200; total time=
                               2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=50; total time= 0.5s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=50; total time= 0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=200; total time= 2.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n_estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=5,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=100; total time=
                                0.9s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,
```

0.2s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time=
                              0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=2, min samples split=10,
n estimators=100; total time=
                               1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=2,
n estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=10; total time=
                             0.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time= 0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n estimators=50; total time= 0.7s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=50; total time= 0.7s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=50; total time= 0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=50; total time=
                               0.6s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=200; total time=
                                2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=2,
n_estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,
```

2.3s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,
n_estimators=200; total time=
                                2.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=2,
n estimators=200; total time=
                                2.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time=
                                1.3s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=2,
n estimators=200; total time=
                               2.3s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=5,
n_estimators=100; total time=
                               1.1s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n_estimators=100; total time= 1.1s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5,
n estimators=100; total time= 1.0s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time= 0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
                               0.2s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
                              0.2s
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max depth=30, max features=log2, min samples leaf=4, min samples split=5,
n estimators=100; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=10; total time=
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
                               0.5s
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
n_estimators=50; total time=
[CV] END bootstrap=False, class weight=balanced, criterion=entropy,
max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
```

0.4s

```
[CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s[CV] END bootstrap=False,

- class_weight=balanced_subsample, criterion=gini, max_depth=None,
 max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10;
 total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,

- n estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,

- n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

- n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

- n estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

- n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

- n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

- n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

- n estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,

- n estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,

- n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

- n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

- n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

- n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,

- n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,

- n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,

- n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,

- n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,

- n estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,

- n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

- n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

- n estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

- n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

- n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

- n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,

- n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,

- n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,

- n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,

- n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,

- n estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,

- n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,

- n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,

- n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,

- n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,

- n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

```
n_estimators=10; total time= 0.2s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=gini, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

- n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s[CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None,
- max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
 n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
 n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,
 n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
 n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
 n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,
 n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2,
 n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10,
 n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
 n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=2,
 n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5,
 n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2,
 n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=5,
 n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10,
 n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=None, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,
n_estimators=50; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
 n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=10, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,
 n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,
n_estimators=200; total time= 2.2s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
 n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,
 n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,
n_estimators=200; total time= 2.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

- max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
 n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2,
n_estimators=100; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=100; total time= 1.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=5,
n_estimators=200; total time= 1.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10,
n_estimators=200; total time= 2.0s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5,
n_estimators=50; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,

```
max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10,
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s[CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10,

```
max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100;
total time= 1.0s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s[CV] END bootstrap=False,

```
class_weight=balanced_subsample, criterion=entropy, max_depth=10,
max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100;
total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=50; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10,

```
n_estimators=50; total time= 0.6s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=10, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

```
n_estimators=100; total time= 1.4s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 3.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

```
n_estimators=100; total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

```
n_estimators=50; total time= 0.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=50; total time= 0.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5,

```
n_estimators=100; total time= 1.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

```
n_estimators=100; total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

```
n_estimators=50; total time= 0.8s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=50; total time= 0.9s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,

```
n_estimators=10; total time= 0.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10,

```
n estimators=100; total time= 1.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2,

```
n_estimators=100; total time= 1.0s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5,

```
n_estimators=50; total time= 0.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10,

```
n_estimators=50; total time= 0.9s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=100; total time= 1.0s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5,

```
n_estimators=100; total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10,

```
n_estimators=50; total time= 0.7s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2,

```
n_estimators=50; total time= 0.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=100; total time= 1.4s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10,

```
n_estimators=100; total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2,

```
n_estimators=50; total time= 0.9s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=20, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5,

```
n_estimators=50; total time= 0.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

- n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10,

```
n_estimators=100; total time= 1.2s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=100; total time= 1.2s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=200; total time= 2.7s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10,

```
n_estimators=50; total time= 0.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2,

```
n_estimators=100; total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=100; total time= 1.2s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5,

```
n_estimators=200; total time= 2.5s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2,

```
n_estimators=50; total time= 0.6s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=sqrt, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5,

```
n_estimators=100; total time= 1.0s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10,

```
n_estimators=100; total time= 0.9s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2,

```
n_estimators=50; total time= 0.4s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time= 2.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5,

```
n_estimators=50; total time= 0.6s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time= 2.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,

```
n_estimators=10; total time= 0.1s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=100; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10,

```
n_estimators=100; total time= 1.3s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,

```
n_estimators=100; total time= 0.9s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=100; total time= 1.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=50; total time= 0.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2,

```
n_estimators=200; total time= 2.6s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.5s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=100; total time= 1.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time= 1.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.1s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time= 0.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,

```
n_estimators=50; total time= 0.8s
```

- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.7s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.6s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time= 0.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.3s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n estimators=200; total time= 2.2s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 2.4s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 1.0s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.9s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.8s
- [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy, max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,

```
n_estimators=200; total time= 1.7s
     [CV] END bootstrap=False, class_weight=balanced_subsample, criterion=entropy,
     max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
     n estimators=200; total time= 1.8s
     [CV] END bootstrap=False, class weight=balanced subsample, criterion=entropy,
     max_depth=30, max_features=log2, min_samples_leaf=4, min_samples_split=10,
     n estimators=200; total time= 1.9s
     Best parameters: {'bootstrap': False, 'class_weight': 'balanced', 'criterion':
     'gini', 'max_depth': 10, 'max_features': 'log2', 'min_samples_leaf': 4,
     'min_samples_split': 2, 'n_estimators': 10}
     Balanced Accuracy: 0.6316961155787423
[53]: from joblib import dump, load
      #dump(rf_cv_pipe, 'models/rf_cv_model.joblib')
     rf_cv_pipe = load('models/rf_cv_model.joblib')
[84]: print(f'Random Forest CV Test Balanced Accuracy:
       →{balanced_accuracy_score(y_test, rf_cv_pipe.predict(X_test)):.3f}')
     Random Forest CV Test Balanced Accuracy: 0.591
[91]: param grid = {
          'model_n_estimators': [10, 50, 100, 200],
          'model__criterion': ['gini', 'entropy'],
          'model__max_depth': [None, 10, 20, 30],
          'model_min_samples_split': [2, 5, 10],
          'model_min_samples_leaf': [1, 2, 4],
          'model__max_features': ['sqrt', 'log2'],
          'model__bootstrap': [True, False],
          'model__class_weight': [None, 'balanced', 'balanced_subsample'],
          'sampler_sampling_strategy': uniform(0.1, 0.9)
     }
     os rf pipe = ImPipeline([
          ("pre_processing", preprocessing),
          ("sampler", RandomOverSampler(random_state=69)),
          ("model", RandomForestClassifier(random state=69))])
     os_rf_cv = RandomizedSearchCV(os_rf_pipe,
                                 param_distributions = param_grid,
                                 n_{iter} = 60,
                                 scoring = ["balanced_accuracy", __
       cv = StratifiedKFold(n_splits = 5),
                                 refit = "balanced_accuracy",
```

random_state = 69,

```
return_train_score = True,
                            n jobs=-1
os_rf_cv.fit(X_train, y_train)
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
 warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
```

```
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
 warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. warn prf(average, modifier, msg start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:

Precision is ill-defined and being set to 0.0 due to no predicted samples. Use

```
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
```

packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

```
_warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
'zero division' parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
```

```
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
 warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. warn prf(average, modifier, msg start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(

-

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:

Precision is ill-defined and being set to 0.0 due to no predicted samples. Use

```
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  warn prf(average, modifier, msg start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
```

```
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
```

encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
```

```
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
```

encoded as all zeros
warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. warn prf(average, modifier, msg start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result))

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be

```
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

be encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
```

```
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
'zero division' parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
 warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
 warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

```
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  warn prf(average, modifier, msg start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

```
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0] during transform. These unknown categories will be
      encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0, 6, 7] during transform. These unknown categories will
      be encoded as all zeros
        warnings.warn(
 [91]: RandomizedSearchCV(cv=StratifiedKFold(n_splits=5, random_state=None,
       shuffle=False),
                          estimator=Pipeline(steps=[('pre_processing',
       ColumnTransformer(transformers=[('num_pre1',
      Pipeline(steps=[('num_clean',
                       CleanDataTransformer(value_to_replace='999')),
                      ('num_outliers',
                       IQRBasedOutlierRemoverEnhanced()),
                      ('num_impute',
                       SimpleImputer(strategy='median')),
                      ('num_s...
                                                'model__max_features': ['sqrt', 'log2'],
                                                'model__min_samples_leaf': [1, 2, 4],
                                                'model_min_samples_split': [2, 5, 10],
                                                'model__n_estimators': [10, 50, 100,
                                                'sampler_sampling_strategy':
       <scipy.stats._distn_infrastructure.rv_continuous_frozen object at</pre>
       0x7f7cda81cfd0>}.
                          random_state=69, refit='balanced_accuracy',
                          return_train_score=True,
                          scoring=['balanced_accuracy', 'f1', 'recall', 'precision'])
[95]: print(f"Best parameters: {os_rf_cv.best_params_}")
       print("Balanced Accuracy: ", os_rf_cv.best_score_)
       print(f'Random Forest Oversampled CV Test Balanced Accuracy:

{balanced_accuracy_score(y_test, os_rf_cv.predict(X_test)):.3f}')

      Best parameters: {'model__bootstrap': True, 'model__class_weight': None,
      'model__criterion': 'entropy', 'model__max_depth': 10, 'model__max_features':
      'log2', 'model__min_samples_leaf': 4, 'model__min_samples_split': 5,
      'model__n_estimators': 10, 'sampler__sampling_strategy': 0.9782566851732049}
      Balanced Accuracy: 0.6018670190674771
      Random Forest Oversampled CV Test Balanced Accuracy: 0.521
[128]: # param_grid2 = {
             'model__n_estimators': [10, 50, 100, 200],
             'model__criterion': ['gini', 'entropy'],
```

```
#
      'model__max_depth': [None, 10, 20, 30],
#
      'model__min_samples_split': [2, 5, 10],
#
      'model__min_samples_leaf': [1, 2, 4],
#
      'model__max_features': ['sqrt', 'log2'],
#
      'model__bootstrap': [True, False],
#
      'model__class_weight': [None, 'balanced', 'balanced_subsample']}
# os_rf_pipe2 = ImPipeline([
      ("pre_processing", preprocessing),
      ("sampler", RandomOverSampler(random state=69)),
      ("model", RandomForestClassifier(random state=69))])
# os_rf_cv2 = RandomizedSearchCV(os_rf_pipe2,
#
                               param_distributions = param_grid2,
#
                               n iter = 60.
#
                               scoring = ["balanced_accuracy",__
 ⇔"f1", "recall", "precision"],
#
                               cv = StratifiedKFold(n_splits = 5),
#
                               refit = "balanced accuracy",
#
                               random state = 69,
#
                               return train score = True,
#
                               n jobs=-1
# os_rf_cv2.fit(X_train, y_train)
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown

```
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
```

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros
 warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros
 warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be

```
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  warn prf(average, modifier, msg start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
```

```
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
'zero division' parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
```

```
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
'zero division' parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

```
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

```
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros
   warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will
```

warnings.warn(

be encoded as all zeros

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
```

1135

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown

warnings.warn(

```
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
```

encoded as all zeros
warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
 warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

```
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  warn prf(average, modifier, msg start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
```

```
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
```

categories in columns [0, 6, 7] during transform. These unknown categories will

be encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
```

packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown

```
categories in columns [0] during transform. These unknown categories will be
      encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
      categories in columns [0, 6, 7] during transform. These unknown categories will
      be encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0] during transform. These unknown categories will be
      encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0, 6, 7] during transform. These unknown categories will
      be encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
      categories in columns [0] during transform. These unknown categories will be
      encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0, 6, 7] during transform. These unknown categories will
      be encoded as all zeros
        warnings.warn(
[128]: RandomizedSearchCV(cv=StratifiedKFold(n_splits=5, random_state=None,
      shuffle=False),
                          estimator=Pipeline(steps=[('pre_processing',
      ColumnTransformer(transformers=[('num_pre1',
      Pipeline(steps=[('num_clean',
                      CleanDataTransformer(value to replace='999')),
                      ('num_outliers',
                       IQRBasedOutlierRemoverEnhanced()),
                      ('num_impute',
                      SimpleImputer(strategy='median')),
       'balanced_subsample'],
                                               'model__criterion': ['gini', 'entropy'],
                                               'model__max_depth': [None, 10, 20, 30],
                                               'model__max_features': ['sqrt', 'log2'],
                                               'model__min_samples_leaf': [1, 2, 4],
                                               'model__min_samples_split': [2, 5, 10],
                                               'model__n_estimators': [10, 50, 100,
```

```
200]},
                          random_state=69, refit='balanced_accuracy',
                          return_train_score=True,
                          scoring=['balanced_accuracy', 'f1', 'recall', 'precision'])
[129]: # dump(os_rf_cv2, 'models/os_rf_cv_model.joblib')
       os_rf_cv2 = load('models/os_rf_cv_model.joblib')
       print(f"Best parameters: {os_rf_cv2.best_params_}")
       print("Balanced Accuracy: ", os_rf_cv2.best_score_)
       print(f'Random Forest Oversampled CV Test Balanced Accuracy:

√{balanced_accuracy_score(y_test, os_rf_cv2.predict(X_test)):.3f}')

      Best parameters: {'model__n_estimators': 100, 'model__min_samples_split': 5,
      'model min samples leaf': 4, 'model max features': 'log2', 'model max depth':
      10, 'model__criterion': 'entropy', 'model__class_weight': 'balanced_subsample',
      'model__bootstrap': True}
      Balanced Accuracy: 0.5891620097892801
      Random Forest Oversampled CV Test Balanced Accuracy: 0.573
      again overfitting
```

7 Support Vector Machine

Balanced Accuracy: 0.5000

```
# print(f"Best parameters: {svc_cv_pipe['model'].best_params_}")
# print("Balanced Accuracy: ", svc_cv_pipe['model'].best_score_)
```

Best parameters: {'C': 7.1, 'degree': 3, 'kernel': 'poly'}
Balanced Accuracy: 0.5351738855970332

SVC CV Test Balanced Accuracy: 0.512

```
[108]: # os svc pipe2 = ImPipeline([
             ("pre processing", preprocessing),
       #
             ("sampler", RandomOverSampler(random_state=69)),
             ("model", SVC(random state=69))])
       # param_grid = {'model__kernel':('poly', 'linear', 'rbf'),
       #
                        'model__C': np.linspace(0.1, 10, 100),
       #
                        'model__degree': [2,3,4]}
       # os_svc_cv = RandomizedSearchCV(os_svc_pipe2,
                                      param_distributions = param_grid,
       #
                                      n_iter = 60,
                                      scoring = ["balanced_accuracy",__
        →"f1", "recall", "precision"],
                                      cv = StratifiedKFold(n splits = 5),
                                      refit = "balanced_accuracy",
       #
                                      random_state = 69,
       #
                                      return_train_score = True,
       #
                                      n_jobs=-1)
       # os_svc_cv.fit(X_train, y_train)
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

```
warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

```
warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

```
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
```

packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown

```
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
```

be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be

```
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
```

1152

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown

```
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
```

be encoded as all zeros

warnings.warn(

categories in columns [0, 6, 7] during transform. These unknown categories will

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

```
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

```
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0, 6, 7] during transform. These unknown categories will
      be encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0, 6, 7] during transform. These unknown categories will
      be encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
      categories in columns [0] during transform. These unknown categories will be
      encoded as all zeros
        warnings.warn(
[108]: RandomizedSearchCV(cv=StratifiedKFold(n_splits=5, random_state=None,
      shuffle=False),
                         estimator=Pipeline(steps=[('pre_processing',
      ColumnTransformer(transformers=[('num_pre1',
      Pipeline(steps=[('num_clean',
                      CleanDataTransformer(value_to_replace='999')),
                     ('num_outliers',
                      IQRBasedOutlierRemoverEnhanced()),
                     ('num_impute',
                      SimpleImputer(strategy='median')),
                     ('num s...
              5.6, 5.7, 5.8, 5.9, 6., 6.1, 6.2, 6.3, 6.4, 6.5, 6.6,
              6.7, 6.8, 6.9, 7., 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7,
              7.8, 7.9, 8., 8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8,
              8.9, 9., 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9,
             10.]),
                                              'model__degree': [2, 3, 4],
                                              'model__kernel': ('poly', 'linear',
                                                                'rbf')},
                         random_state=69, refit='balanced_accuracy',
                         return_train_score=True,
                         scoring=['balanced_accuracy', 'f1', 'recall', 'precision'])
[135]: #dump(os svc cv, 'models/os svc cv model.joblib')
      os_svc_cv = load('models/os_svc_cv_model.joblib')
      print(f"Best parameters: {os_svc_cv.best_params_}")
      print("Balanced Accuracy: ", os_svc_cv.best_score_)
      print(f'Support Vector Classifier Oversampled CV Test Balanced Accuracy: U

√{balanced_accuracy_score(y_test, os_svc_cv.predict(X_test)):.3f}')

      Best parameters: {'model kernel': 'linear', 'model degree': 4, 'model C':
```

4.39999999999995}

```
Balanced Accuracy: 0.6374753881244766
Support Vector Classifier Oversampled CV Test Balanced Accuracy: 0.596
```

8 Gradient Boost

Balanced Accuracy: 0.4978

```
[114]: \# param_grid_gb = \{
              'n estimators': [10, 50, 100, 200],
              'learning_rate': [0.01, 0.1, 0.2, 0.5],
              'max depth': [3, 5, 10, None],
       #
              'min samples split': [2, 5, 10],
              'min_samples_leaf': [1, 2, 4],
              'max_features': ['sqrt', 'log2', None],
       # }
       # qb = GradientBoostingClassifier(random_state=69)
       # qb_cv_pipe = Pipeline([
              ("pre_processing", preprocessing),
              ("model", GridSearchCV(estimator=gb, param_grid=param_grid_gb, __
        \hookrightarrow cv = StratifiedKFold(n splits = 5),
                                     scoring='balanced_accuracy', n_jobs=-1, verbose=2))
       # ])
       # qb_cv_pipe.fit(X_train, y_train)
```

Fitting 5 folds for each of 1728 candidates, totalling 8640 fits

```
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.0s
```

```
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.6s
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.01, max depth=3, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s[CV] END
learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
```

```
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.6s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
```

```
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
```

0.3s

```
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
                                                    0.1s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
```

0.1s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
```

```
[CV] END learning rate=0.01, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
```

3.0s

min_samples_split=2, n_estimators=200; total time=

```
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
```

```
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.7s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
```

```
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
                                                     3.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
```

0.2s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
```

0.7s

min_samples_split=2, n_estimators=50; total time=

```
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.9s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.0s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.8s
```

```
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.1s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.3s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
```

```
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.01, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
```

```
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.01, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
                                                     0.1s
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
```

```
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
```

```
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

1.5s

min_samples_split=2, n_estimators=200; total time=

```
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
```

```
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
```

0.1s

min_samples_split=5, n_estimators=10; total time=

```
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
```

0.1s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
```

```
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning rate=0.01, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
```

```
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
```

```
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
```

```
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
```

```
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
```

```
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
```

1.0s

min_samples_split=2, n_estimators=200; total time=

```
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.01, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s[CV] END
```

```
learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time= 0.6s
```

[CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4, min samples split=10, n estimators=100; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time= 0.2s [CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s [CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s [CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 1.0s [CV] END learning_rate=0.01, max_depth=5, max_features=log2, min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 0.9s[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 1.0s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time= 1.0s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min samples split=2, n estimators=50; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min samples split=2, n estimators=50; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 2.1s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= 2.2s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time= [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.2s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time= 0.3s [CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,

```
min_samples_split=2, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     2.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     2.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     5.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     5.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     5.2s
[CV] END learning rate=0.01, max depth=5, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
                                                      5.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      5.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      5.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      5.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=200; total time=
                                                     5.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     5.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     3.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.01, max depth=5, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.01, max depth=5, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.4s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      2.5s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                     1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      5.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.6s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.01, max depth=5, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     4.9s
[CV] END learning rate=0.01, max depth=5, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     4.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     4.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.1s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.2s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.0s
[CV] END learning rate=0.01, max depth=5, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning rate=0.01, max depth=5, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.0s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.9s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.7s
[CV] END learning_rate=0.01, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.1s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          3.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          1.5s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          1.6s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          0.6s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          3.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           1.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           2.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          3.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         1.1s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         1.1s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          3.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          3.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          1.2s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.6s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          2.7s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           1.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           1.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           2.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           2.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         0.6s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          1.0s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          1.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          1.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          2.1s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
```

```
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           1.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning rate=0.01, max depth=10, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           2.3s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.3s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.3s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          2.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           1.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.1s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          3.1s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           1.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           2.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          1.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           2.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          1.0s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.2s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          0.4s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         0.4s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         0.4s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
                                                                           1.8s
min samples leaf=2, min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           1.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         0.4s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         0.4s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          0.9s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.9s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           0.9s
[CV] END learning rate=0.01, max depth=10, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           0.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           0.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           1.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
```

```
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          4.2s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          8.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          8.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          8.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          8.6s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          8.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          8.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          2.2s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          8.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          9.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          9.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           4.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          9.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           4.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           4.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           4.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           4.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         1.7s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         2.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           8.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           9.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           8.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           8.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           8.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          8.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          8.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          8.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          8.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          8.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.7s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          3.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          8.0s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.8s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           3.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.6s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.4s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.3s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         2.0s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.7s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          3.9s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.5s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning rate=0.01, max depth=10, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          2.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          2.2s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          7.9s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          7.8s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           4.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          8.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
```

```
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           3.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           3.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.0s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           7.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          2.5s
[CV] END learning rate=0.01, max depth=10, max features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           7.3s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           7.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           7.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.0s
[CV] END learning_rate=0.01, max_depth=10, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           7.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.6s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.0s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         5.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         5.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         10.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         10.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                         10.5s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          9.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          9.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          3.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          3.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                         3.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                        21.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        21.7s
[CV] END learning rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        22.1s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           7.1s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           7.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           7.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          7.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                        22.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        22.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.5s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          14.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          13.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          6.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          14.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.1s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.5s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        3.1s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        3.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         3.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        2.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        12.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        13.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        12.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          5.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                         12.7s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                        13.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.6s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          2.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                        12.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 11.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         11.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         11.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           3.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           3.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           8.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           8.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           8.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           8.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           8.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          2.4s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          5.4s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          3.0s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.2s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          2.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          2.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          5.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          5.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          5.8s
[CV] END learning rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          5.9s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.3s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          6.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.2s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                        1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           4.7s
[CV] END learning rate=0.01, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           5.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           5.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          2.6s
[CV] END learning rate=0.01, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           5.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           5.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.6s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          2.7s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        5.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         5.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        5.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        5.6s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                        10.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        10.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        10.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        10.3s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                        10.3s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          3.2s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           6.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           6.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        21.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        21.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        2.6s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        2.7s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        2.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        2.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        2.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.8s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          5.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          5.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          5.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          5.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          5.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        2.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        2.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         2.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        3.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.8s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                        11.1s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        11.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        11.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          5.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                        11.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        12.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          5.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          5.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          2.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                         12.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         12.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         12.0s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.2s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           4.3s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         12.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         11.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
                                                                         0.2s
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           3.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                        2.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.6s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           8.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           8.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           8.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           9.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           8.8s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          5.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          2.6s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          2.0s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          5.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          5.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          5.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          5.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          5.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
```

```
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.5s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.5s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           4.4s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           4.3s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           4.7s
[CV] END learning rate=0.01, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           4.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         3.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           4.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         3.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         3.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         3.5s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         4.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          7.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          7.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          7.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          8.2s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          8.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.6s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        4.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        4.2s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        4.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        16.5s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        4.5s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                        15.0s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        4.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        16.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        14.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          9.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                         17.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          8.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                        10.1s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                        10.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         11.3s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          5.1s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          4.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                        20.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.5s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        18.6s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        22.1s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                          10.2s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           8.0s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          11.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          11.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.6s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                         12.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         4.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        4.3s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        5.1s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        6.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        7.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                        10.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          24.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          8.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          27.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=100; total time=
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          31.1s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          30.4s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          31.2s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.8s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        12.1s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        13.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        4.6s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         4.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         4.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        4.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        4.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        21.0s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        21.2s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          8.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                        25.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          9.6s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                        25.3s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                        11.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                        13.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                         30.4s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.8s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         12.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          6.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          5.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          6.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                        25.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          9.1s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          9.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                          16.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          12.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                        33.1s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                        33.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
```

```
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          12.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          13.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                        34.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                        0.8s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                         12.6s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        3.9s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                        4.4s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        4.7s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        6.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                        8.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          25.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          28.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                        12.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                        13.8s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                          32.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                         34.6s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
```

```
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                        17.1s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                        17.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         5.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                        5.4s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         5.3s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        6.2s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        6.9s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                        31.0s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        29.9s
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        30.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        11.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        31.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        12.0s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        31.5s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                        11.0s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          1.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.8s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        13.6s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
```

```
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                        14.2s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                         4.4s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                         4.7s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                         5.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                         5.9s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                         7.3s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                        27.2s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                        27.2s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                        27.2s
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                         11.8s
[CV] END learning rate=0.01, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.01, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 11.8s
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time= 30.7s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time= 12.5s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 13.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=3, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 26.1s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 27.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time= 26.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.1, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
27.6s[CV] END learning rate=0.1, max depth=3, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
                                                     0.1s
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
```

```
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
```

```
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                     0.9s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.01, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 29.8s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
```

0.2s

min_samples_split=5, n_estimators=50; total time=

```
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
```

```
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
                                                     0.3s
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
```

```
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
                                                    0.0s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
```

0.0s

```
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.1, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
```

```
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                     1.3s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     2.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
```

1.0s

```
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.4s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.3s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
```

```
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.4s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.0s
```

```
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.4s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.4s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
```

0.2s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s[CV] END
learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
```

[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,

```
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.0s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=200; total time=
                                                     3.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.9s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     4.0s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.1s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning rate=0.1, max depth=3, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.7s
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.8s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
```

```
3.5s
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.7s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
                                                      1.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.1, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.8s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
                                                      0.7s
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.1, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.5s
[CV] END learning rate=0.1, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
                                                     0.3s
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
                                                      1.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.8s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     0.4s[CV] END
learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.6s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.1, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
```

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.1, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning rate=0.1, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.1, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.1, max depth=5, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning rate=0.1, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.4s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     3.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     3.4s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     3.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    2.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    2.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     7.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     7.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     7.5s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     4.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     8.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     8.1s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     6.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     2.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     6.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
                                                     6.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
                                                     6.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      4.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     6.9s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      4.0s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      4.5s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.7s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      4.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.4s
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.4s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
                                                      9.3s
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      8.7s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      8.7s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      8.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      8.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
                                                     3.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     3.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     3.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     3.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     6.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     7.2s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     7.4s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     7.3s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     7.2s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     3.2s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.7s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     6.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     6.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     7.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      4.3s
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     7.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      3.5s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      3.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      3.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      3.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      6.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      6.8s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      6.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      7.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      6.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     3.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     3.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
```

```
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     3.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.9s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    2.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     6.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     6.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     6.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     3.0s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     6.6s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.6s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
```

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.1s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     6.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     6.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     6.4s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     6.3s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      3.8s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     6.3s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      3.0s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      3.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      3.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.1s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.4s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.1, max depth=5, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      7.1s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      7.0s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      7.1s
[CV] END learning rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      6.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
```

5.0s

min_samples_split=2, n_estimators=200; total time=

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.8s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.1s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.2s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     2.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.9s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.8s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.7s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.0s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
                                                    0.2s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
                                                     3.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.4s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
```

0.1s

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
                                                      2.9s
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.0s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
```

2.2s

min_samples_split=2, n_estimators=200; total time=

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.4s
[CV] END learning rate=0.1, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     3.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     3.2s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.8s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.9s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.6s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.6s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.6s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.5s
[CV] END learning rate=0.1, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    3.4s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    3.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    3.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    3.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     7.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     7.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     7.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     6.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
```

min_samples_split=2, n_estimators=200; total time= 12.9s

```
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time= 12.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time= 12.8s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time= 11.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time= 11.8s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     5.1s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     5.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     5.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     3.1s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time= 11.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time= 11.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time= 11.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time= 11.6s
```

```
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time= 11.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      4.9s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      4.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    3.1s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.3s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     5.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     6.3s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
```

```
[CV] END learning rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     6.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 12.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 12.1s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time= 12.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 11.9s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 11.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     6.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     6.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     6.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
```

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.9s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.8s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time= 12.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time= 12.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time= 12.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time= 11.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      5.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time= 11.8s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                  0.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      5.9s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      6.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    3.1s
```

```
[CV] END learning rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    3.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.7s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.3s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.4s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
                                                     5.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     5.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     5.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                    11.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
```

2.8s

```
[CV] END learning rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time= 11.2s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time= 11.1s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time= 10.8s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     5.1s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                    10.6s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     4.5s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     5.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.6s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     5.3s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.9s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time= 10.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time= 10.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time= 10.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time= 10.7s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
```

min_samples_split=10, n_estimators=100; total time=

```
[CV] END learning rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time= 10.7s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      4.9s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      5.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                        1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                        1.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                        3.1s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        3.2s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time= 13.2s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                         3.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time= 14.0s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time= 14.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                         3.8s
[CV] END learning_rate=0.1, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time= 14.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.8s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          3.7s
[CV] END learning rate=0.1, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time= 13.7s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          5.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        6.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        6.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        6.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        6.6s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        6.6s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        13.0s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                        12.7s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        13.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.2s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         15.8s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         15.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.4s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.3s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                         22.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         22.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         23.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          4.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           9.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         23.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                         23.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           9.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           9.2s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           9.6s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         1.2s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                          10.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         4.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         4.5s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         4.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          16.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         4.0s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         4.5s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          17.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          17.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          17.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          9.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          17.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          8.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          8.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          8.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.5s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          7.8s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         4.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         4.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         4.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         3.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         3.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         15.0s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         15.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         15.0s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         14.7s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         14.8s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          7.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          8.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          7.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          8.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          8.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.8s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          2.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         13.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         13.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         14.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           5.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           5.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           5.8s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           5.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           5.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         2.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.0s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                          10.9s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                          11.1s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                          10.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          10.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          10.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.1s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                        2.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        2.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                        2.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                        2.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          7.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.6s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          3.4s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.4s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.5s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          2.0s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          2.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          2.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          8.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          8.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          8.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          8.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           3.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          8.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           3.3s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           3.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.1s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.3s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           7.0s
[CV] END learning rate=0.1, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           7.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           7.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          3.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           7.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          2.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           7.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         6.2s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         6.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         6.1s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         6.0s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         6.1s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         12.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                         12.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         12.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         12.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                         12.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          5.1s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          5.0s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.9s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         20.9s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         21.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         21.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           9.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           9.0s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        22.1s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                        22.3s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           9.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           9.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           9.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         4.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        4.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        4.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          19.1s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         5.0s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        5.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          9.5s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          20.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          8.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          8.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          9.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          21.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          21.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          21.5s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          8.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         4.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
                                                                        4.2s
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        4.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        4.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         4.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        17.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                        17.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        17.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          8.5s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        17.0s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        17.5s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          8.3s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          8.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          7.8s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          7.0s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.5s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.4s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          3.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          3.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          3.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                        13.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                        13.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                        13.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           4.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 13.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           4.4s
[CV] END learning rate=0.1, max depth=None, max features=log2,
                                                                        0.2s
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.3s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.4s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         2.0s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.4s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.6s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           9.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          10.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           9.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           9.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          10.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.8s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         2.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          6.6s
```

```
[CV] END learning rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          6.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.0s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.5s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          7.5s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          5.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          5.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          4.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          4.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.5s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
2.3s[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          2.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          8.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          8.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          8.4s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          8.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
```

```
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           3.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          7.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           2.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.1, max depth=None, max features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.6s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           5.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           5.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           5.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           5.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         3.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         4.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           5.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         3.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         4.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          7.5s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          7.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          7.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          7.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          8.1s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        12.0s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        10.5s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        11.5s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        7.8s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        7.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        7.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        11.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        6.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                        13.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        8.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                        16.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        13.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        14.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                        15.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.9s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         14.5s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          6.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          7.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          7.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                         22.1s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         21.0s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         20.6s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          7.3s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          7.5s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         18.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         19.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          15.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          16.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          16.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          15.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         1.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         1.0s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          16.3s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         8.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        8.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
                                                                        8.0s
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                        27.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          28.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        8.6s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          28.6s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          27.4s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          28.8s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        17.3s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        15.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        17.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        18.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        2.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         1.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        1.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        19.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        1.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         1.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        9.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        8.7s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        9.4s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        32.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        8.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        10.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         33.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                         29.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                         34.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         33.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         20.8s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         20.4s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         16.8s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         19.9s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          1.0s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.0s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         20.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          1.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          7.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          8.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          8.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         32.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         32.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          8.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                         26.8s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          9.0s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         32.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time= 31.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          19.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                         17.5s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          18.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                         17.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         1.3s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         1.2s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                         19.3s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.7s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.7s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        8.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        8.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        9.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                         36.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                         34.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        9.2s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                        9.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                         36.9s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                        19.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                         19.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                         19.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.2s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.2s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         7.2s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         7.0s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         7.2s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         7.3s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         7.1s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                         33.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                         32.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                         30.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
                                                                         33.9s
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                         17.4s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                         31.6s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                         17.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                         17.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                         16.7s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          1.6s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
```

```
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                        17.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.9s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          1.0s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          6.7s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          6.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          6.8s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          7.7s
[CV] END learning rate=0.1, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          8.1s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                        32.4s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                        32.3s
[CV] END learning rate=0.1, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                        34.3s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                         18.8s
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time= 21.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 20.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
                                                    0.1s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time= 24.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
                                                      0.7s
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 43.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.8s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.9s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
                                                     0.3s
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 43.7s
[CV] END learning rate=0.2, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time= 40.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
                                                    0.1s
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s[CV] END
learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
                                                      0.7s
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
```

0.5s

min_samples_split=10, n_estimators=100; total time=

```
[CV] END learning_rate=0.1, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 42.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
                                                    0.0s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.2, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.1s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.6s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
                                                    0.1s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
```

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
```

```
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.1s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.2, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
```

0.1s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
                                                    0.1s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

0.4s

min_samples_split=5, n_estimators=50; total time=

```
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
                                                    0.1s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
                                                    0.3s
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
```

0.1s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max depth=5, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
                                                     0.1s
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
```

```
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=2,
                                                    0.1s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
                                                    0.0s
min_samples_split=5, n_estimators=10; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
```

0.5s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.2, max depth=5, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.7s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s[CV] END
learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
                                                     0.3s
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                     1.7s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     6.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=200; total time=
                                                     6.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.1s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.0s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     6.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     6.2s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.9s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.9s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      2.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.8s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.8s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.4s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.9s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     5.1s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     5.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     5.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.6s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.6s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.9s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.7s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=100; total time=
                                                     2.8s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     5.1s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.6s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     5.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     5.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.5s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.5s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.2s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     5.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.8s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      2.4s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
                                                      2.4s
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
                                                      2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.0s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      5.6s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      5.6s
[CV] END learning rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      5.7s
[CV] END learning_rate=0.2, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      5.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     3.3s
[CV] END learning rate=0.2, max depth=5, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.4s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=200; total time=
                                                     3.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=200; total time=
                                                     4.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.3s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.9s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.9s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
                                                      1.3s
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
                                                     3.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.8s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.7s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.5s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.5s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
                                                     2.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.4s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.1s
[CV] END learning rate=0.2, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning rate=0.2, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.2, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning rate=0.2, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.2, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
                                                      2.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    3.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    3.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     5.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     6.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     6.2s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     6.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=100; total time=
                                                     5.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     7.9s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     8.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=200; total time=
                                                     8.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     8.3s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     5.1s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     5.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     5.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     5.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     2.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     2.9s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time= 10.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time= 10.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time= 10.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      6.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      5.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      5.8s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      5.9s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.8s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 11.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.3s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time= 10.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=100; total time=
                                                     5.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     5.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     5.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.6s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 10.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 10.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 10.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 10.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     5.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time= 10.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     5.1s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     5.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     5.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.6s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.6s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time= 10.2s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time= 10.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time= 10.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      5.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time= 11.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      5.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      6.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      6.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.7s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.4s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time= 11.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time= 10.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.9s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     5.0s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time= 10.1s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=200; total time= 10.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=200; total time= 10.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time= 10.2s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     4.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     4.4s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     4.5s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     2.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.6s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     9.7s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.7s
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     9.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     9.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      4.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     9.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      4.4s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        1.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                        1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        1.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        2.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          2.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.8s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
[CV] END learning rate=0.2, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time= 10.1s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time= 10.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          1.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.7s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.8s
[CV] END learning rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          1.8s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        5.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        5.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        5.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        5.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        5.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          8.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          8.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          8.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          7.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          8.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          8.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          8.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          8.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          8.4s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          8.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          4.2s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          3.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           6.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           7.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           7.0s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           7.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           7.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        3.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        3.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        3.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         3.4s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        3.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           7.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.4s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          6.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          6.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          6.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          6.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          6.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          6.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         3.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         3.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         3.2s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         3.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         3.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          6.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          6.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          6.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          6.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          6.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          6.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.6s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          6.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           4.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           5.0s
[CV] END learning rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           5.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           5.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                        1.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           5.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           5.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           5.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          4.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          3.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          3.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          4.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          3.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          3.6s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
```

```
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.7s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          4.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           3.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           3.4s
[CV] END learning rate=0.2, max depth=None, max features=log2,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           4.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           4.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           4.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           4.0s
[CV] END learning rate=0.2, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           4.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         0.8s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
```

```
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         5.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         5.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          8.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          8.3s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          8.4s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.6s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          8.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          8.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          8.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          8.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          8.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          3.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          9.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          9.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.6s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          4.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           7.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           7.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           6.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           6.4s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         1.0s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           6.7s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           6.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           6.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         3.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           6.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           7.0s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          6.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          6.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=100; total time=
                                                                          6.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          6.7s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          6.8s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.5s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          6.7s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        2.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          6.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
                                                                        2.5s
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          6.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          5.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          5.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          5.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          5.4s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          5.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.0s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          5.9s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.1s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          2.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          6.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           4.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           4.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                        0.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
```

```
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           5.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
                                                                         1.3s
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           5.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           5.1s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           4.9s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           4.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.2s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
```

```
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          4.8s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                          4.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          5.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          3.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.9s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          4.4s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.7s
[CV] END learning rate=0.2, max depth=None, max features=log2,
```

```
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           2.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.4s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.2, max depth=None, max features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.5s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           3.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           3.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           4.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           3.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           3.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         3.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         3.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         2.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         2.9s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         3.5s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          4.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          4.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          4.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.7s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          4.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         1.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          4.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         1.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          4.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          5.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        6.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        6.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        6.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        7.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                        7.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                        10.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                         11.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          9.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          7.7s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.6s
[CV] END learning rate=0.2, max depth=None, max features=None,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          2.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          9.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                         10.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          9.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                         11.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          8.7s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                         10.9s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          7.7s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=50; total time=
                                                                          7.4s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          7.9s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          8.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          7.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          12.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          13.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          12.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                          11.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                          12.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          12.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         1.4s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         1.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
```

```
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                        13.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          13.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                          12.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        7.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        7.5s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                        7.5s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        6.7s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                          12.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                        8.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        12.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        12.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        10.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        11.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         1.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                        12.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                        1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        11.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        11.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        1.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        13.2s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                        1.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                        10.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         7.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         7.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         7.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         7.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         7.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                         12.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         12.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         12.7s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         11.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         12.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.2s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                         12.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         12.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          1.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         12.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                         12.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                         11.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          7.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          7.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          7.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          7.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
```

```
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                        12.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          7.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          12.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          13.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                          12.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                          12.4s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                         13.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                         13.9s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                          13.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          14.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                          13.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        7.0s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                        7.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        7.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        7.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                        7.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                         15.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                        13.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                        14.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
```

```
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                        13.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                        13.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                        13.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        16.4s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        17.0s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        16.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        8.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        7.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        8.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        16.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        7.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        8.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                        16.7s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        13.8s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        13.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        14.5s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        14.1s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                        13.5s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
```

```
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          1.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                         18.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                        18.5s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                        17.9s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          8.6s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          8.3s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          9.0s
[CV] END learning rate=0.2, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          8.2s
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          8.6s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                         18.9s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                        19.2s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                         14.3s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                          14.4s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time= 13.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time= 14.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time= 14.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 16.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.2, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 16.8s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=200; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 16.2s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s[CV] END
learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
```

[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,

[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,

min_samples_split=10, n_estimators=50; total time=

min_samples_split=10, n_estimators=50; total time=

```
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.5, max depth=3, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.5, max depth=3, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time= 17.8s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.1s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.3s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.2, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 18.9s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
                                                      0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=2,
                                                    0.2s
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s[CV] END
learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time= 0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
                                                     0.3s[CV] END
learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.3s
```

min_samples_split=2, n_estimators=100; total time=

```
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.8s
[CV] END learning rate=0.5, max depth=3, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     2.8s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
```

1.5s

min_samples_split=5, n_estimators=100; total time=

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.1s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.1s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.7s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
```

```
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.8s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.9s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.4s
[CV] END learning rate=0.5, max depth=3, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.5s
```

```
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.4s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=3, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
```

0.5s

```
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
                                                      0.7s
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.7s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
```

```
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
                                                    0.3s
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

0.3s

min_samples_split=5, n_estimators=50; total time=

```
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max depth=5, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s[CV] END
learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.4s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=5, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=1,
```

```
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min samples split=10, n estimators=100; total time=
                                                      0.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.9s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      0.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.6s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.0s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.5s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      0.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
                                                      1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.7s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                     1.0s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     4.8s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=200; total time=
                                                     4.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     5.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     2.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
```

```
min_samples_split=5, n_estimators=100; total time=
                                                     2.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.7s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.7s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      2.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      2.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.6s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      4.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.7s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.8s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.6s
[CV] END learning rate=0.5, max depth=5, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     1.9s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=5, n_estimators=200; total time=
                                                     5.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.6s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.5s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      2.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
                                                    1.1s
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=50; total time=
                                                    1.8s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.3s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.4s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      5.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     3.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=2,
```

```
min_samples_split=10, n_estimators=200; total time=
                                                      5.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     2.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    1.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     5.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     5.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=2, n estimators=200; total time=
                                                     5.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     3.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     5.4s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.7s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.7s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
```

```
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     1.1s
[CV] END learning rate=0.5, max depth=5, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.3s
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.5s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     4.4s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
                                                      2.2s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      2.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
```

```
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      4.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning rate=0.5, max depth=5, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      4.8s
[CV] END learning rate=0.5, max depth=5, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      4.7s
[CV] END learning_rate=0.5, max_depth=5, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      4.6s[CV] END
learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
```

0.2s

```
[CV] END learning rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.9s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     3.5s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.3s
```

```
[CV] END learning rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     2.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.5s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.3s
```

```
[CV] END learning rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.8s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      3.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=5, n estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.5s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
```

0.2s

```
[CV] END learning rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.4s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.2s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
```

```
[CV] END learning rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      2.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
```

0.6s

min_samples_split=5, n_estimators=50; total time=

```
[CV] END learning rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.0s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.2s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
                                                     1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
```

```
[CV] END learning rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.3s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.2s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
                                                      1.0s
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.4s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.6s
[CV] END learning rate=0.5, max depth=10, max features=sqrt, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=sqrt, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.0s
```

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.5s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    0.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     1.4s
```

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=5, n estimators=200; total time=
                                                     2.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     1.5s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.3s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
```

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      1.6s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=2, n estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     1.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
```

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     2.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     1.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     0.6s
```

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     2.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.2s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     3.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=2, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.4s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      1.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
```

0.9s

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      2.2s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     0.8s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=10; total time=
                                                    0.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=50; total time=
                                                    0.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     2.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
```

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     1.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     0.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=5, n estimators=200; total time=
                                                     1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min samples split=10, n estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.2s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      1.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
```

```
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.1s
[CV] END learning rate=0.5, max depth=10, max features=log2, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      2.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=log2, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=2, n estimators=50; total time=
                                                    1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=50; total time=
                                                    2.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.7s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.8s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=100; total time=
                                                     1.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
                                                     1.8s
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     1.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
```

```
[CV] END learning rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.0s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=2, n_estimators=200; total time=
                                                     2.0s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.0s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
                                                     4.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=5, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     3.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=100; total time=
                                                     4.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     4.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     3.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     3.4s
```

```
[CV] END learning rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     6.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=5, n_estimators=200; total time=
                                                     9.3s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=50; total time=
                                                     3.0s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=5, n_estimators=200; total time= 10.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      4.9s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      5.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min samples split=10, n estimators=100; total time=
                                                      4.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=100; total time=
                                                      4.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.7s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      7.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      8.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      8.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
                                                    2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=1,
min_samples_split=10, n_estimators=200; total time=
                                                      7.6s
```

```
[CV] END learning rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     4.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     3.7s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     4.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=100; total time=
                                                     4.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=2, n estimators=200; total time=
                                                     4.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     6.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     4.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     6.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=50; total time=
                                                    2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=2, n_estimators=200; total time=
                                                     9.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     4.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
```

0.4s

min_samples_split=10, n_estimators=10; total time=

```
[CV] END learning rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     4.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
                                                     0.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=100; total time=
                                                     4.7s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.6s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
                                                     7.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=5, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=50; total time=
                                                     2.3s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=5, n_estimators=200; total time=
                                                     9.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      3.9s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      3.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      3.9s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=100; total time=
                                                      4.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
```

0.4s

```
[CV] END learning rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=10; total time=
                                                    0.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      8.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      8.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min samples split=10, n estimators=200; total time=
                                                      8.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      8.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=2,
min_samples_split=10, n_estimators=200; total time=
                                                      8.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.3s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=100; total time=
                                                     4.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=10; total time=
                                                    0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
```

2.5s

min_samples_split=5, n_estimators=50; total time=

```
[CV] END learning rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     8.5s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=50; total time=
                                                    2.6s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     9.3s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     4.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=2, n_estimators=200; total time=
                                                     9.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
                                                     4.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=5, n estimators=100; total time=
                                                     4.0s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     4.1s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=100; total time=
                                                     4.1s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=10; total time=
                                                     0.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.4s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
                                                     2.5s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
```

8.5s

min_samples_split=5, n_estimators=200; total time=

```
[CV] END learning rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=50; total time=
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     9.1s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     9.2s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      4.8s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=5, n_estimators=200; total time=
                                                     9.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
                                                      4.4s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=100; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                        0.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                        0.3s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        1.0s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        0.6s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                        0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.6s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.7s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.8s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min samples split=10, n estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      8.2s
[CV] END learning_rate=0.5, max_depth=10, max_features=None, min_samples_leaf=4,
min_samples_split=10, n_estimators=200; total time=
                                                      8.2s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        2.2s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        2.1s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.3s
[CV] END learning rate=0.5, max depth=10, max features=None, min samples leaf=4,
min_samples_split=10, n_estimators=200; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          2.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          2.0s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          2.3s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.7s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          2.8s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          3.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.7s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.3s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           2.6s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           3.5s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           2.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           2.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           3.0s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           3.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           2.6s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           4.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         2.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         2.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          2.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.4s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.9s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.7s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.5s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         1.8s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        2.0s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          7.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          7.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          2.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.8s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          4.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          7.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          2.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          1.8s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           2.1s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          6.9s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          6.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           3.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           2.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           3.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           2.0s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           2.1s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           2.1s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.9s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.8s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           6.4s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           6.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          2.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.6s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.4s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.2s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          4.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           1.8s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           1.7s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           1.6s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          4.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.4s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=2, n estimators=100; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.6s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          0.7s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.8s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.5, max depth=None, max features=sqrt,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           4.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=50; total time=
                                                                         2.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          2.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=5, n estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          2.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.3s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          0.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          2.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          2.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          3.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.7s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.7s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           3.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           3.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           3.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           2.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           2.4s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           4.3s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           5.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           5.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         2.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         2.6s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          2.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          2.2s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         1.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         1.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         1.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                         1.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=2, n estimators=200; total time=
                                                                          7.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          3.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.6s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          3.7s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          1.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=50; total time=
                                                                          1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          7.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           1.9s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          6.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           2.7s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          5.9s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           2.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           2.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           2.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           5.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          2.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=2, n estimators=100; total time=
                                                                          2.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           6.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           6.3s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          1.9s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.3s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           6.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                         0.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          1.7s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.0s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                         1.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          3.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          3.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          0.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          2.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.4s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          0.2s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          1.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          1.1s
```

```
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          1.1s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          3.9s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          3.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           2.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=10; total time=
                                                                         0.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.6s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           1.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.5, max depth=None, max features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           1.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=50; total time=
                                                                         1.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=50; total time=
                                                                         1.6s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=log2,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time=
                                                                           3.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=100; total time=
                                                                          1.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=2, n estimators=200; total time=
                                                                          1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=10; total time=
                                                                         1.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=2, n_estimators=200; total time=
                                                                          2.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=10; total time=
                                                                        0.9s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        2.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        2.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        3.3s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        3.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=50; total time=
                                                                        3.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          3.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          3.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.8s
```

```
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=100; total time=
                                                                          4.7s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          5.3s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          5.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=10; total time=
                                                                          1.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=5, n_estimators=200; total time=
                                                                          5.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=10; total time=
                                                                          1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          6.9s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=1, min samples split=5, n estimators=200; total time=
                                                                          9.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          5.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          6.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          6.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          7.0s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=50; total time=
                                                                          6.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           7.1s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           7.1s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           7.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=100; total time=
                                                                           5.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=100; total time=
                                                                           5.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=10; total time=
                                                                         0.9s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=10; total time=
                                                                         0.9s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           7.3s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=1, min_samples_split=10, n_estimators=200; total time=
                                                                           8.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         3.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           9.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           8.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=1, min samples split=10, n estimators=200; total time=
                                                                           8.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=2, n estimators=50; total time=
                                                                         3.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=50; total time=
                                                                         3.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          3.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.2s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          4.4s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.7s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          4.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=100; total time=
                                                                          5.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=10; total time=
                                                                         1.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          4.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         0.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=10; total time=
                                                                         1.0s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          4.5s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         3.2s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                         3.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        3.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=50; total time=
                                                                        3.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=50; total time=
                                                                        3.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=2, n_estimators=200; total time=
                                                                          7.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.9s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          3.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=100; total time=
                                                                          5.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=100; total time=
                                                                          5.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          1.4s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          5.4s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          5.6s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.6s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          6.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=10; total time=
                                                                          1.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=5, n estimators=200; total time=
                                                                          6.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=5, n_estimators=200; total time=
                                                                          8.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          5.0s
```

```
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          5.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          5.5s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          6.0s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=50; total time=
                                                                          6.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=100; total time=
                                                                           6.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           7.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           7.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           7.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=100; total time=
                                                                           8.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
                                                                         1.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=2, min samples split=10, n estimators=200; total time=
                                                                           7.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=10; total time=
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=10; total time=
                                                                         1.2s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           8.8s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                           8.3s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         5.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         5.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         5.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=2, min_samples_split=10, n_estimators=200; total time=
                                                                         10.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=50; total time=
                                                                         5.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=50; total time=
                                                                         5.8s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          8.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          6.7s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          7.1s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          8.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=100; total time=
                                                                          8.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=10; total time=
                                                                        1.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          9.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         1.5s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=10; total time=
                                                                         2.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        11.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=2, n estimators=200; total time=
                                                                        13.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                          9.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=2, n_estimators=200; total time=
                                                                        11.7s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        7.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        6.4s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=50; total time=
                                                                        6.4s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        5.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=50; total time=
                                                                        5.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          7.9s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          7.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          7.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=100; total time=
                                                                          6.9s
```

```
[CV] END learning rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=100; total time=
                                                                          6.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          1.1s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          8.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=10; total time=
                                                                          1.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=10; total time=
                                                                          1.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                        11.5s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                        10.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          5.3s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=4, min samples split=5, n estimators=200; total time=
                                                                          8.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          5.0s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          5.3s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=50; total time=
                                                                          5.7s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=5, n_estimators=200; total time=
                                                                          9.9s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=50; total time=
                                                                          5.8s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           7.4s
[CV] END learning rate=0.5, max depth=None, max features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           6.4s
[CV] END learning rate=0.5, max depth=None, max features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                           7.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=100; total time=
                                                                          7.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=100; total time=
                                                                           7.6s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           8.1s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           9.4s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min samples leaf=4, min samples split=10, n estimators=200; total time=
                                                                           6.9s
```

```
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 6.2s
[CV] END learning_rate=0.5, max_depth=None, max_features=None,
min_samples_leaf=4, min_samples_split=10, n_estimators=200; total time= 7.5s
Best parameters: {'learning_rate': 0.5, 'max_depth': 5, 'max_features': None,
'min_samples_leaf': 1, 'min_samples_split': 5, 'n_estimators': 50}
Balanced Accuracy: 0.5696913055660648
Test Balanced Accuracy: 0.54
```

```
Best parameters: {'learning_rate': 0.5, 'max_depth': 5, 'max_features': None, 'min_samples_leaf': 1, 'min_samples_split': 5, 'n_estimators': 50}
Balanced Accuracy: 0.5696913055660648
Test Balanced Accuracy: 0.54
```

8.1 GB with oversampling

```
[124]: \# os qb pipe = ImPipeline([
             ("pre_processing", preprocessing),
       #
             ("sampler", RandomOverSampler(random_state=69)),
             ("model", GradientBoostingClassifier(random_state=69))])
       #
       \# param_qrid_qb = \{
              'model__n_estimators': [10, 50, 100, 200],
       #
             'model__learning_rate': [0.01, 0.1, 0.2, 0.5],
       #
             'model__max_depth': [3, 5, 10, None],
       #
             'model__min_samples_split': [2, 5, 10],
       #
             'model__min_samples_leaf': [1, 2, 4],
       #
             'model__max_features': ['sqrt', 'loq2', None]
       # }
       # os_gb_cv = RandomizedSearchCV(os_gb_pipe,
       #
                                      param_distributions = param_grid_gb,
       #
                                      n iter = 60,
                                      scoring = ["balanced_accuracy",__
        ⇔"f1", "recall", "precision"],
                                      cv = StratifiedKFold(n_splits = 5),
       #
                                      refit = "balanced_accuracy",
       #
                                      random_state = 69,
       #
                                      return_train_score = True,
       #
                                      n jobs=-1)
```

```
# os_gb_cv.fit(X_train, y_train)
```

be encoded as all zeros

```
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
```

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
'zero division' parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
```

```
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
```

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be

```
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

```
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
```

packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be

encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
'zero division' parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
```

packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown

```
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/ classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
```

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

```
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
```

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result)) /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown be encoded as all zeros

categories in columns [0, 6, 7] during transform. These unknown categories will

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

```
warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
```

```
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
categories in columns [0, 6, 7] during transform. These unknown categories will
be encoded as all zeros
  warnings.warn(
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
`zero_division` parameter to control this behavior.
  _warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros
```

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior.

_warn_prf(average, modifier, msg_start, len(result))
/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
categories in columns [0] during transform. These unknown categories will be
encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros

warnings.warn(

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will

be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown categories in columns [0, 6, 7] during transform. These unknown categories will be encoded as all zeros warnings.warn(/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/sitepackages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 due to no predicted samples. Use `zero_division` parameter to control this behavior. _warn_prf(average, modifier, msg_start, len(result))

/Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-

```
packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
      Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
      `zero_division` parameter to control this behavior.
        _warn_prf(average, modifier, msg_start, len(result))
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/_encoders.py:188: UserWarning: Found unknown
      categories in columns [0, 6, 7] during transform. These unknown categories will
      be encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/preprocessing/encoders.py:188: UserWarning: Found unknown
      categories in columns [0] during transform. These unknown categories will be
      encoded as all zeros
        warnings.warn(
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
      Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
      `zero_division` parameter to control this behavior.
        _warn_prf(average, modifier, msg_start, len(result))
      /Library/Frameworks/Python.framework/Versions/3.9/lib/python3.9/site-
      packages/sklearn/metrics/_classification.py:1334: UndefinedMetricWarning:
      Precision is ill-defined and being set to 0.0 due to no predicted samples. Use
      `zero_division` parameter to control this behavior.
        _warn_prf(average, modifier, msg_start, len(result))
[124]: RandomizedSearchCV(cv=StratifiedKFold(n_splits=5, random_state=None,
      shuffle=False),
                          estimator=Pipeline(steps=[('pre_processing',
      ColumnTransformer(transformers=[('num_pre1',
      Pipeline(steps=[('num_clean',
                       CleanDataTransformer(value_to_replace='999')),
                      ('num_outliers',
                       IQRBasedOutlierRemoverEnhanced()),
                      ('num_impute',
                       SimpleImputer(strategy='median')),
                      ('num_s...
                          param_distributions={'model__learning_rate': [0.01, 0.1, 0.2,
                                                                         0.5],
                                               'model__max_depth': [3, 5, 10, None],
                                               'model_max_features': ['sqrt', 'log2',
                                                                       None],
                                               'model__min_samples_leaf': [1, 2, 4],
                                               'model__min_samples_split': [2, 5, 10],
                                               'model__n_estimators': [10, 50, 100,
                                                                       200]},
                          random_state=69, refit='balanced_accuracy',
                          return_train_score=True,
```

```
scoring=['balanced_accuracy', 'f1', 'recall', 'precision'])
```

```
[136]: #dump(os_gb_cv, 'models/os_gb_cv_model.joblib')

os_gb_cv = load('models/os_gb_cv_model.joblib')

print(f"Best parameters: {os_gb_cv.best_params_}")

print("Balanced Accuracy: ", os_gb_cv.best_score_)

print(f'Gradient Boosting Oversampled CV Test Balanced Accuracy:

$\times${balanced_accuracy_score}(y_test, os_gb_cv.predict(X_test)):.3f}')

Best parameters: {'model__learning_rate': 0.01, 'model__max_depth': 3,
```

```
Best parameters: {'model__learning_rate': 0.01, 'model__max_depth': 3,
'model__max_features': None, 'model__min_samples_leaf': 4,
'model__min_samples_split': 5, 'model__n_estimators': 200,
'sampler__sampling_strategy': 0.6139181240642912}
Balanced Accuracy: 0.583449288276474
Gradient Boosting Oversampled CV Test Balanced Accuracy: 0.547
```

9 Discussion & Conclusions

In this section you should provide a general overview of your final model, its performance, and reliability. You should discuss what the implications of your model are in terms of the included features, predictive performance, and anything else you think is relevant.

This should be written with a target audience of a government official or charity directy, who is understands the pressing challenges associated with ageining and dementia but may only have university level mathematics (not necessarily postgraduate statistics or machine learning). Your goal should be to highlight to this audience how your model can useful. You should also mention potential limitations of your model.

Finally, you should include recommendations on potential lifestyle changes or governmental/societal interventions to reduce dementia risk.

Keep in mind that a negative result, i.e. a model that does not work well predictively, that is well explained and justified in terms of why it failed will likely receive higher marks than a model with strong predictive performance but with poor or incorrect explinations / justifications.

```
[152]: import pandas as pd
       results_df = pd.DataFrame({
           'Model Name': model_name,
           'Accuracy': accuracy scores,
           'Recall': recall_scores,
           'Precision': precision_scores,
           'F1 Score': f1_scores,
           'Balanced Accuracy': balanced_accuracy_scores
       })
       format_dict = {
           'Accuracy': '{:.4f}',
           'Recall': '{:.4f}',
           'Precision': '{:.4f}',
           'F1 Score': '{:.4f}',
           'Balanced Accuracy': '{:.4f}'
       }
       def highlight_max(s):
           is max = s == s.max()
           return ['background-color: yellow' if v else '' for v in is_max]
       styled_df = results_df.style.apply(highlight_max,
                                         subset=['Accuracy', 'Recall', 'Precision', 'F1_
        ⇔Score', 'Balanced Accuracy'])
       styled_df.format(format_dict)
```

[152]: <pandas.io.formats.style.Styler at 0x7f7cc73b9cd0>

10 References

Include references if any

[]: # Run the following to render to PDF !jupyter nbconvert --to pdf project2.ipynb

[NbConvertApp] Converting notebook project2.ipynb to pdf [NbConvertApp] Writing 447160 bytes to project2.pdf

Created in Deepnote